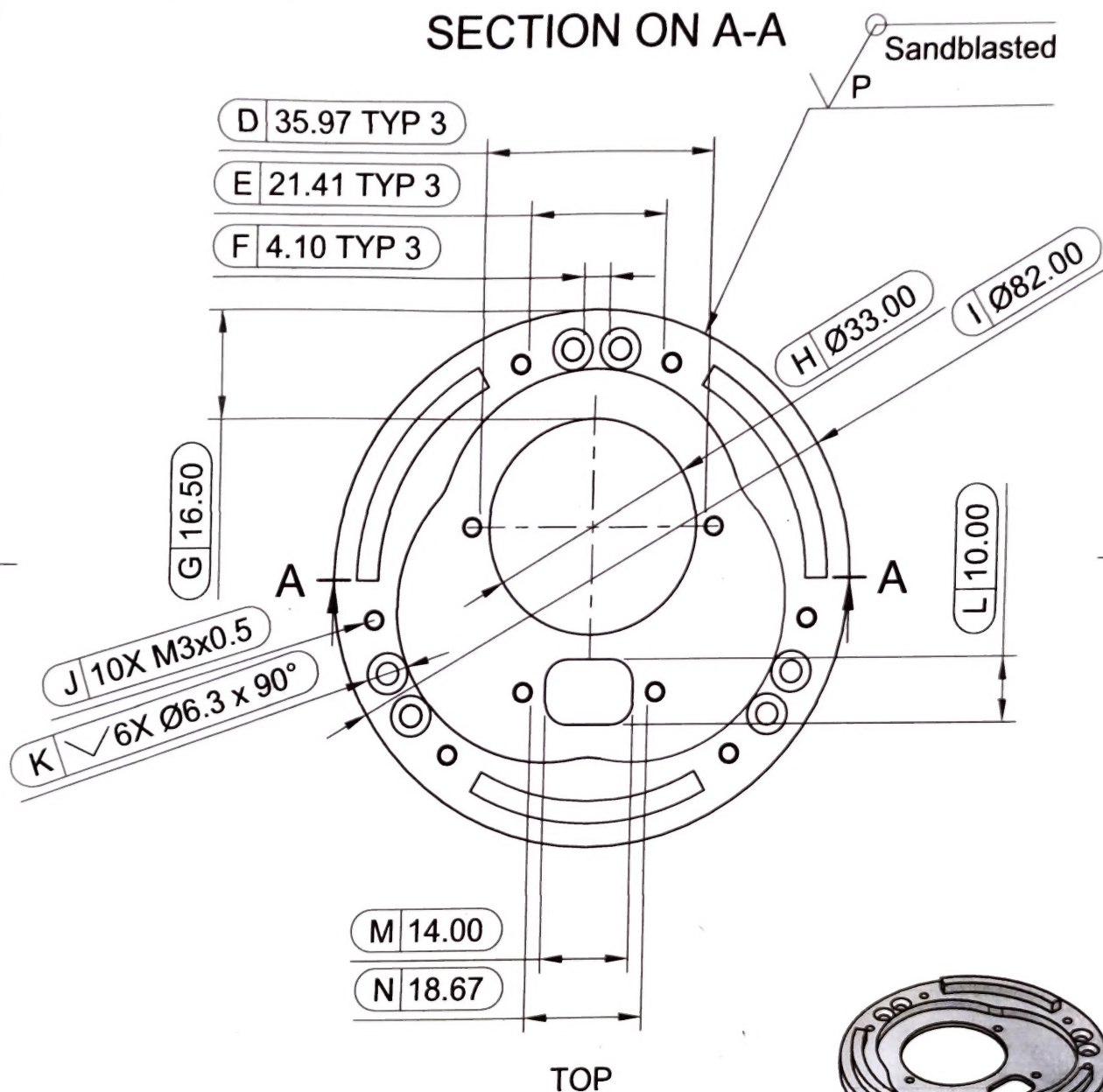
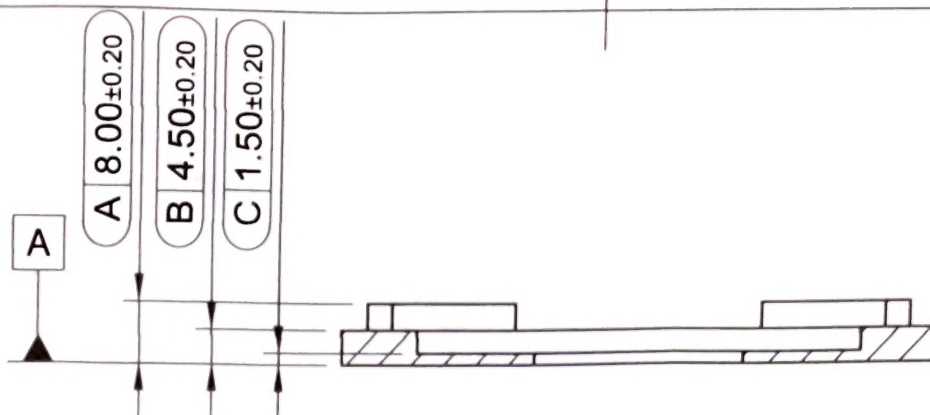
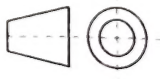



E3





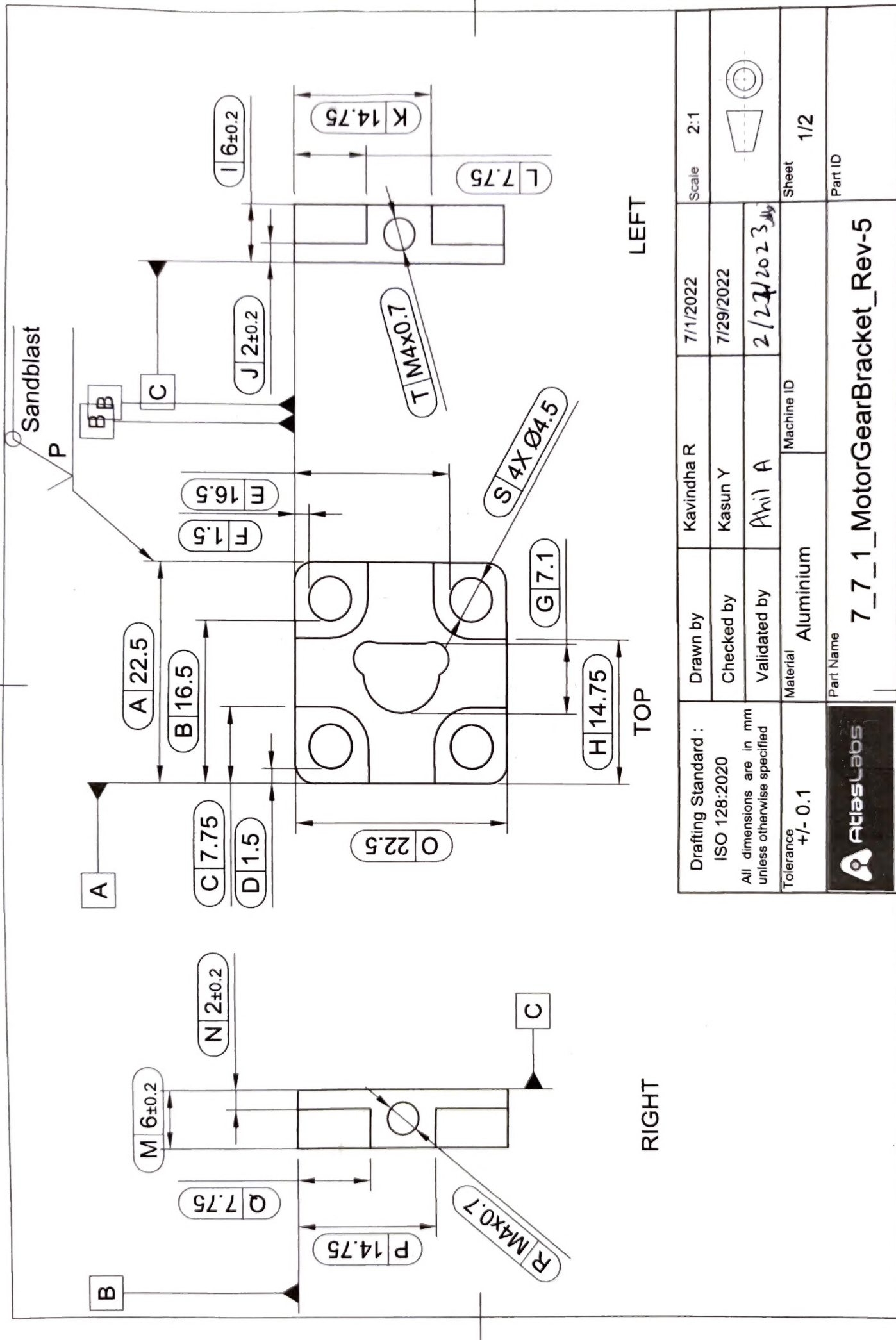
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale 1:2
	Checked by	Kavindha R	6/30/2022	
	Validated by	Ahil A	20/2/2023	
Tolerance +/- 0.1	Material ALUMINIUM	Machine ID	Sheet 1/2	
	Part Name 7_5_2_BearingLowerBracket_Rev-6			Part ID

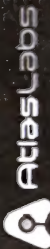
DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	7.93	-0.07	PASS
B	4.44	-0.06	PASS
C	1.45	-0.05	PASS
D	36.11	+0.14	PASS
E	21.47	+0.06	PASS
F	4.19	+0.09	PASS
G	16.55	+0.05	PASS
H	32.98	-0.02	PASS
I	82.07	+0.07	PASS
J	M3 x0.5	—	PASS
K	M3 Countersunk	—	PASS
L	9.95	-0.05	PASS
M	14.03	+0.03	PASS
N	18.71	+0.04	PASS
-			
-			
-			
-			
-			
-			
-			
-			

Comments:

Designer Approved tolerances

De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	PASS	Mass	39.128 g
					39.00 g
Drafting Standard :	Drawn by	Kasun Y	6/30/2022	Scale	1:2
ISO 128:2020	Checked by	Kavindha R	6/30/2022		
All dimensions are in mm unless otherwise specified	Validated by	Ahil A	20/2/2023		
Tolerance	Material	Machine ID	Sheet		
+/-0.1	ALUMNIUM		2/2		
Part Name			Part ID		
			7_5_2_BearingLowerBracket_Rev-6		



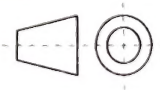
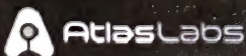
<div><div></div><div>Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified</div></div>	Drawn by	Kavindha R	7/1/2022	Scale	2:1	
	Checked by	Kasun Y	7/29/2022			
	Validated by	Phil A	2/27/2023			
	Material		Machine ID			
Tolerance +/- 0.1	Aluminium			Sheet	1/2	
Part Name				Part ID		
7_7_1_MotorGearBracket_Rev-5						

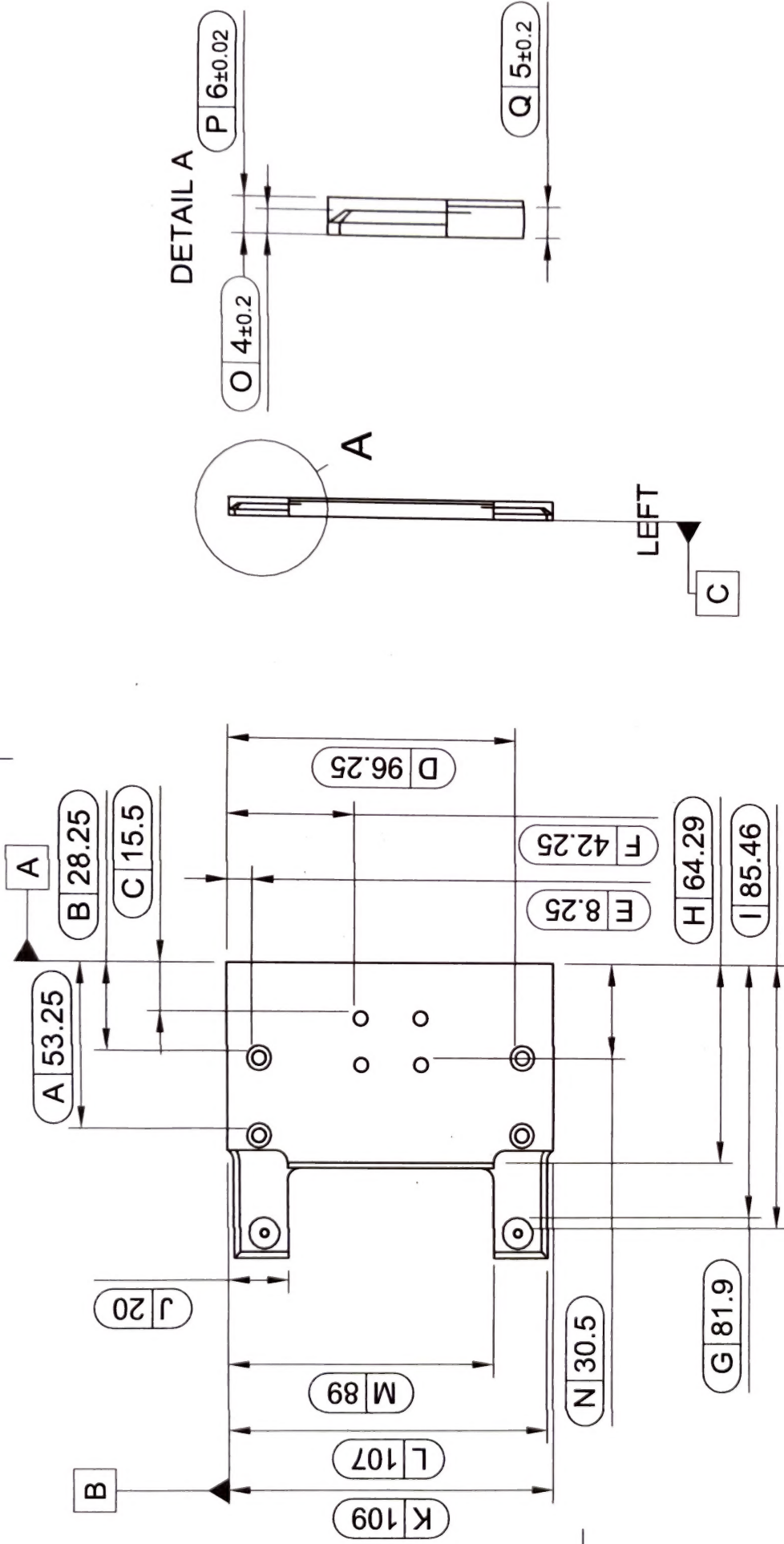
E3

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	22.55	+0.05	PASS
B	16.52	+0.02	PASS
C	7.79	+0.04	PASS
D	1.51	+0.01	PASS
E	16.50	+/- 0.00	PASS
F	1.48	-0.02	PASS
G	7.10	+/- 0.00	PASS
H	14.77	+0.02	PASS
I	5.95	-0.05	PASS
J	1.94	-0.06	PASS
K	7.76 14.73	-0.02	PASS
L	7.76	+0.01	PASS
M	5.89	-0.11	PASS
N	1.91	-0.09	PASS
O	22.49	-0.01	PASS
P	14.73	-0.02	PASS
Q	7.77	+0.02	PASS
R	M4 x 0.7	—	PASS
S	4.38	-0.02	PASS
T	M4 x 0.7	—	PASS
-			

Comments:

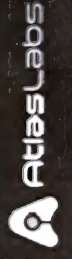
Designer approved dimensions at tolerance.

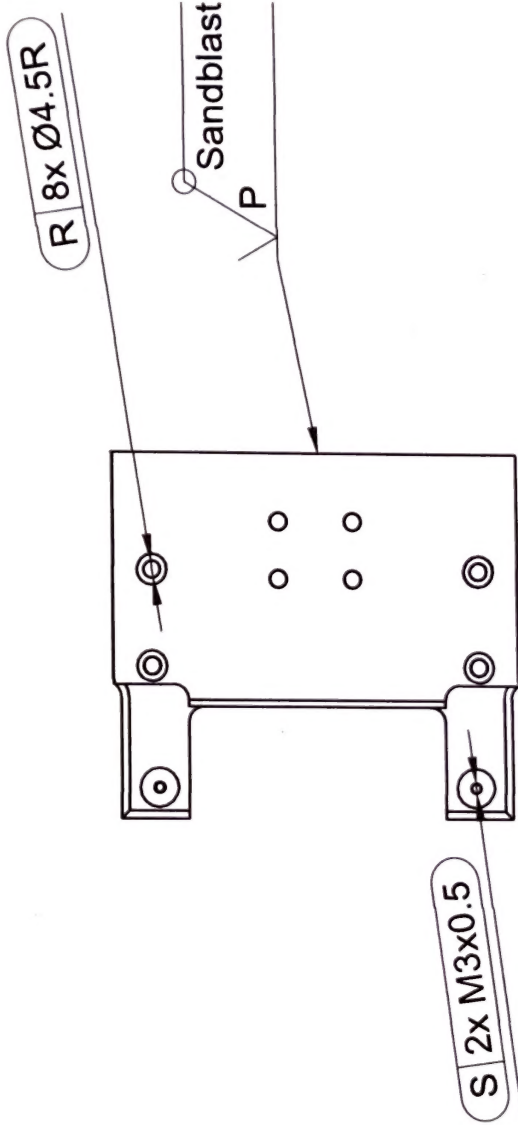
De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	N/A	Mass	4.131g
				3.0g	
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	7/1/2022	Scale	2:1
	Checked by	Kasun Y	7/29/2022		
	Validated by	Ahli A	2/24/2022		
Tolerance +/- 0.1	Material Aluminium	Machine ID	Sheet 2/2		
		Part Name 7_7_1_MotorGearBracket_Rev-5			Part ID


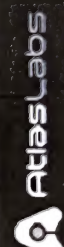


TOP

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Kavindha R	6/29/2022	Scale 1:2
	Checked by Kasun Y	7/29/2022	
	Validated by Ibraheem R	2/24/2023	
Tolerance +/- 0.1	Material Aluminium	Machine ID	Sheet 1/3
Part Name 7_2_8_UncappingMountingPlate_Rev_5		Part ID	





<div>Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified</div>	Drawn by	Kavindha R	6/29/2022	Scale 1:2	
	Checked by	Kasun Y	7/29/2022		
	Validated by	Ibraheem R	2/24/2023		
	Material Aluminium			Machine ID	
Tolerance +/- 0.1		Sheet 2/3		Part ID	
<div> Atlas Labs</div>		Part Name 7_2_8_UncappingMountingPlate_Rev_5			

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	53.32	+0.07	PASS
B	28.30	+0.05	PASS
C	16.53	+0.03	PASS
D	96.31	+0.06	PASS
E	8.32	+0.07	PASS
F	42.31	+0.06	PASS
G	81.94	+0.04	PASS
H	64.29	0	PASS
I	85.71	+0.25	PASS
J	19.95	-0.05	PASS
K	109.04	+0.04	PASS
L	107.03	+0.03	PASS
M	88.99	-0.01	PASS
N	30.53	+0.03	PASS
O	3.98	-0.02	PASS
P	6.03	+0.03	PASS
Q	5.01	+0.01	PASS
R	4.46	-0.04	PASS
S	M3x0.5	-	PASS

Comments: Dimension I out of tolerance. Not critical

De-burred		Tapped		Surface Finish	
PASS		PASS		PASS	
Drilled		Countersinked/bored		Mass	
PASS		PASS		132.13g	
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	6/29/2022		
	Checked by	Kasun Y	7/29/2022		
	Validated by	Ibraheem R	2/24/2023		
Tolerance +/- 0.1	Material Aluminium	Machine ID		Sheet 3/3	
Part Name 7_2_8_UncappingMountingPlate_Rev_5				Part ID	

E3

TOP

SANDBLASTED

C 114

G 11.5±0.2

O 10±0.2

B

F Ø88


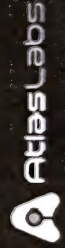
E Ø96

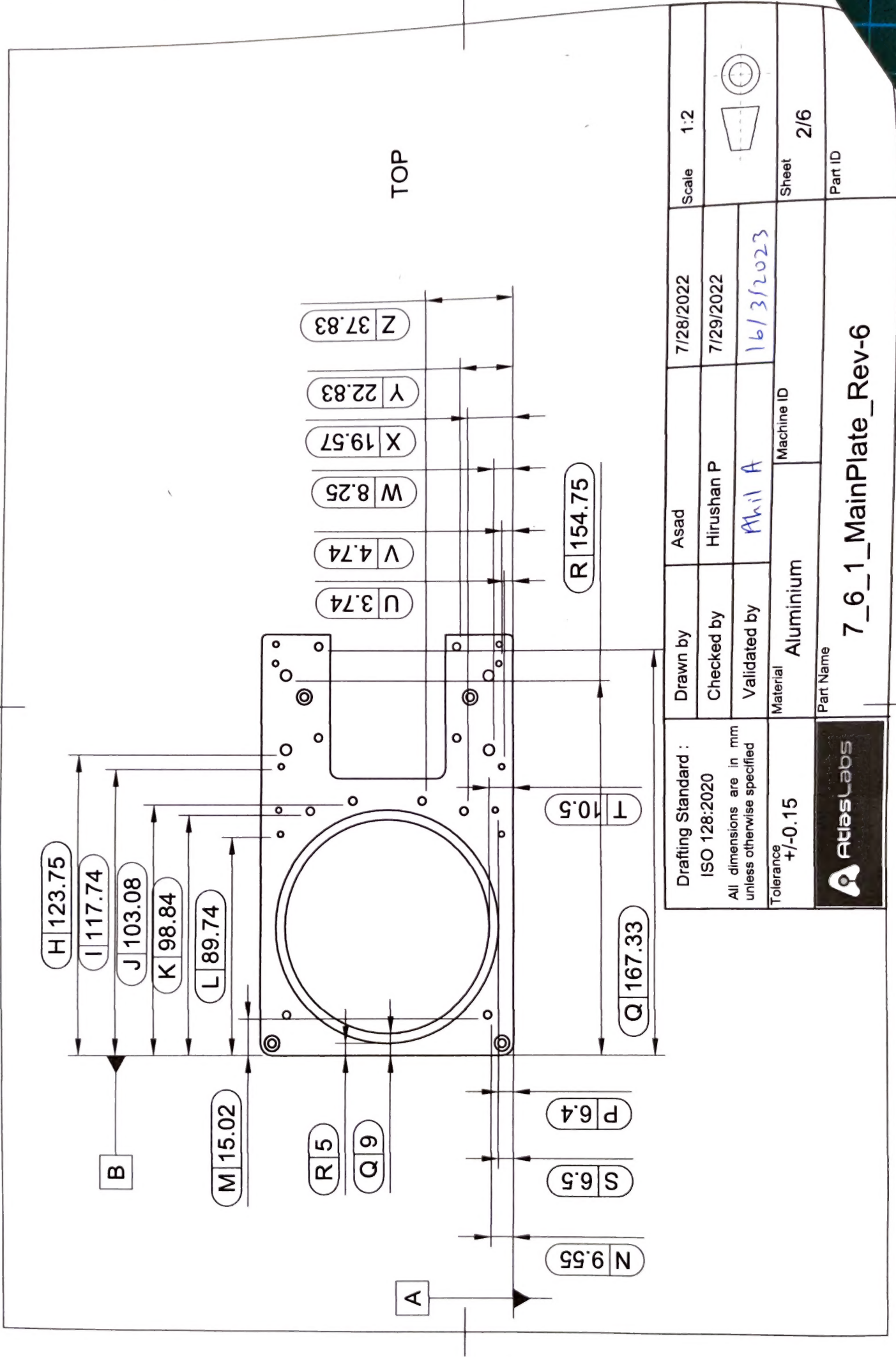
D 29.5


B 109

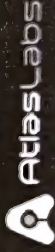
A 174

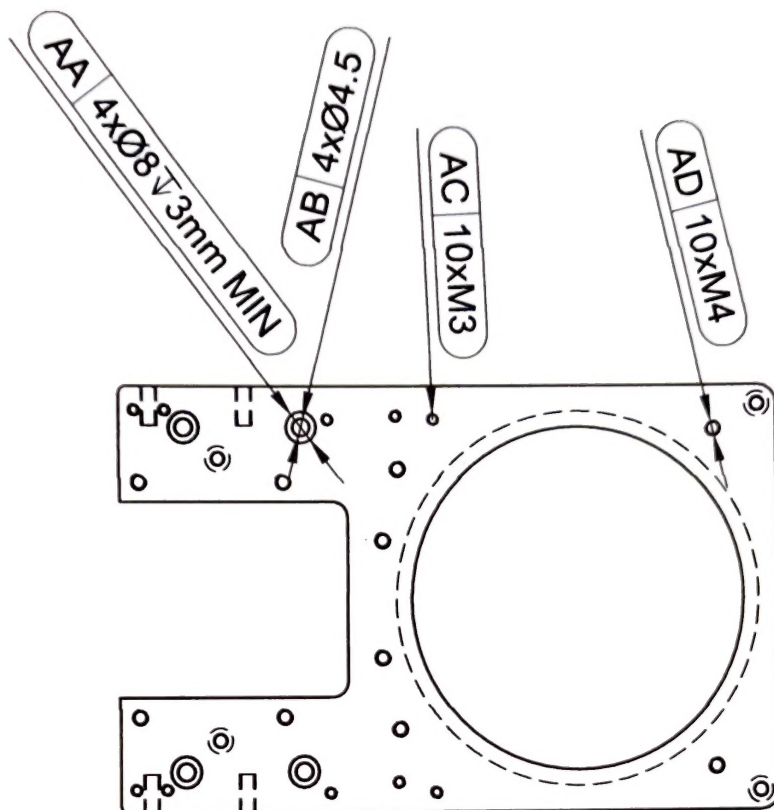
A

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	7/28/2022	Scale	1:2
	Checked by	Hirushan P	7/29/2022		
	Validated by	Ahil A	16/3/2023		
Tolerance +/-0.15	Material	Aluminium	Machine ID	Sheet	1/6
		Part Name 7_6_1_MainPlate_Rev-6			
		Part ID			



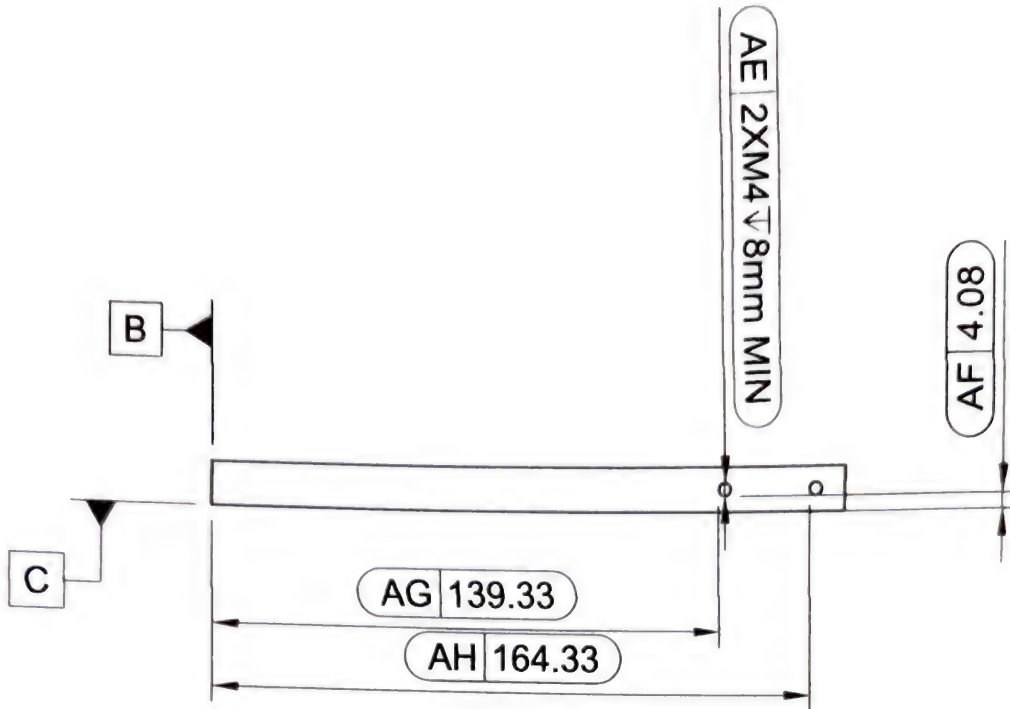
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/-0.15	Drawn by	Asad	7/28/2022	Scale	1:2
	Checked by	Hirushan P	7/29/2022		
	Validated by	Ahail A	16/3/2023		
	Material	Aluminium	Machine ID	Sheet	2/6
Part Name		7_6_1_MainPlate_Rev-6			
Part ID					


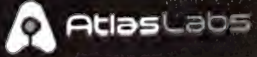




BOTTOM

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Asad	7/28/2022	Scale 1:2
	Checked by Hirushan P	7/29/2022	
	Validated by Phil A	16/3/2023	
Tolerance +/-0.15	Material	Machine ID	Sheet 3/6
	Part Name 7_6_1_MainPlate_Rev-6		Part ID



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	7/28/2022	Scale 1:2 
	Checked by	Hirushan P	7/29/2022	
	Validated by	Ahij A	16/3/2023	
Tolerance +/-0.15	Material	Machine ID		Sheet 4/6
	Part Name 7_6_1_MainPlate_Rev-6			Part ID

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	174.07	+0.07	PASS
B	109.03	+0.03	PASS
C	114.06	+0.06	PASS
D	29.52	+0.02	PASS
E	95.92	-0.08	PASS
F	87.96	-0.04	PASS
G	11.51	+0.01	PASS
H <i>dh</i>	10.00 123.81	+ +0.06	PASS
I	117.78	+0.04	PASS
J	103.09	+0.01	PASS
K	98.88	+0.04	PASS
L	89.76	+0.02	PASS
M	15.024	+0.02	PASS
N	9.53	-0.02	PASS
O	# 10.00 <i>dw</i>	+/- 0.00	PASS
P	6.39	-0.01	PASS
Q	167.33	+/- 0.00	PASS
R	154.76	+0.01	PASS
S	6.54	+0.04	PASS
T	10.50	+/- 0.00	PASS
U	3.75	+0.01	PASS



Comments:

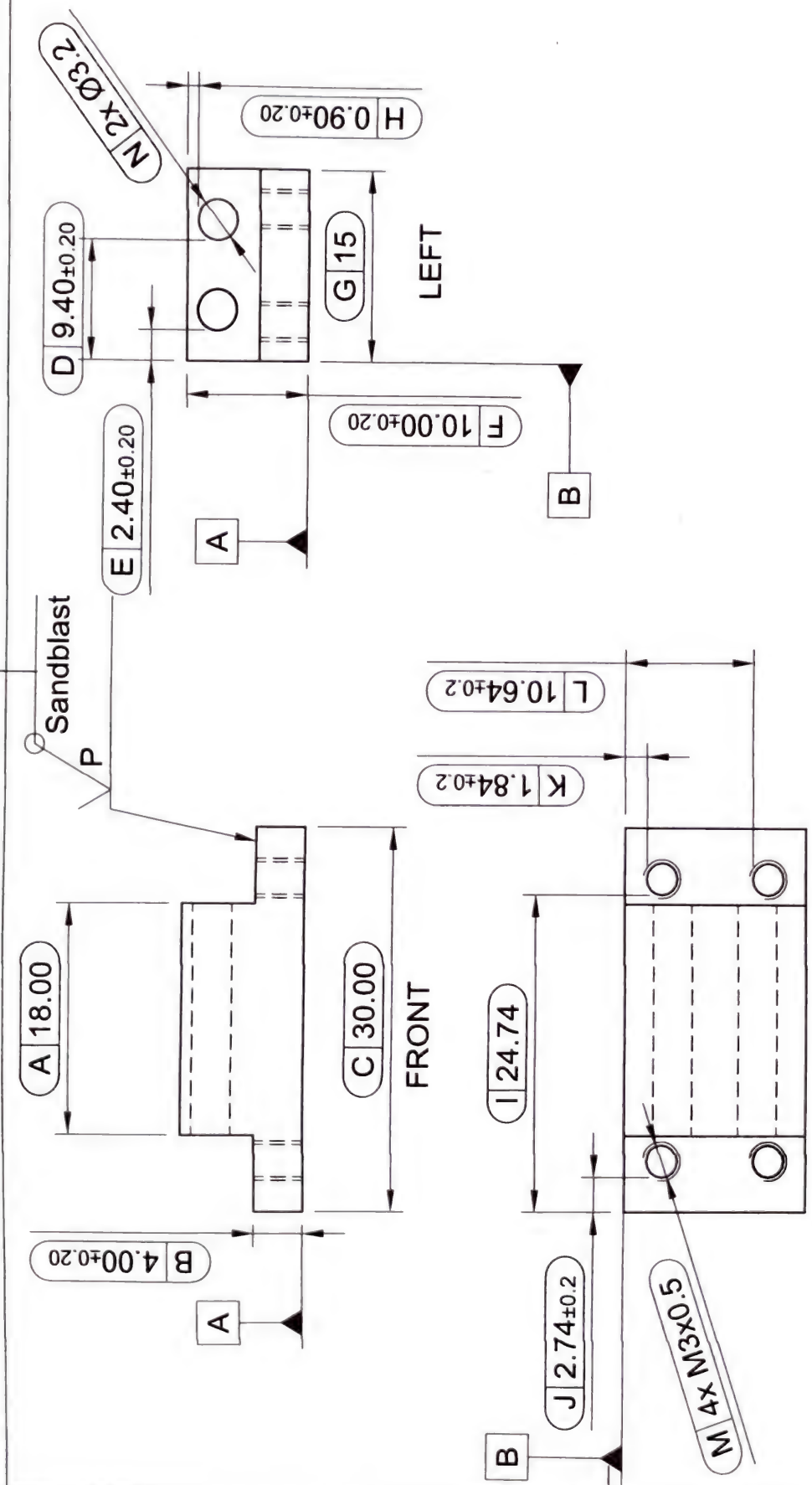
De-burred <i>PASS</i>		Tapped <i>PASS</i>		Surface Finish <i>PASS</i>	
Drilled <i>PASS</i>		Countersunk/bored <i>PASS</i>		Mass 367.446 g	261 g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	7/28/2022	Scale 1:2	
	Checked by	Hirushan P	7/29/2022		
	Validated by	<i>Anil A</i>	16/3/2023		
Tolerance +/-0.15	Material	Machine ID		Sheet 5/6	
Part Name 7_6_1_MainPlate_Rev-6				Part ID	




DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
V	4.76	+0.02	PASS
W	8.28	+0.03	PASS
X	19.58	+0.01	PASS
Y	22.85	+0.02	PASS
Z	37.85	+0.02	PASS
AA	7.91 ± 3.54	—	PASS
AB	4.41	-0.09	PASS
AC	M3 x 0.5	—	PASS
AD	M4 x 0.7	—	PASS
AE	M4 x 0.7 ± 8	—	PASS
AF	4.09	+0.01	PASS
AG	139.43	+0.10	PASS
AH	164.39	+0.06	PASS

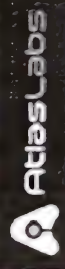
Comments:

De-burred PASS		Tapped PASS		Surface Finish PASS	
Drilled PASS		Countersunk/bored PASS		Mass 367.446 g	261 g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	7/28/2022	Scale 1:2	
	Checked by	Hirushan P	7/29/2022		
	Validated by	Ahil A	16/3/2023		
Tolerance +/-0.15	Material Aluminium	Machine ID		Sheet 6/6	
		Part Name 7_6_1_MainPlate_Rev-6			Part ID



TOP


Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/- 0.1	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Aki A	2/23/2023		
	Material	ALUMINIUM	Machine ID	Sheet	1/2
Part Name		7_1_1_SiliconeGripperMountingTopBrace			
Part ID					

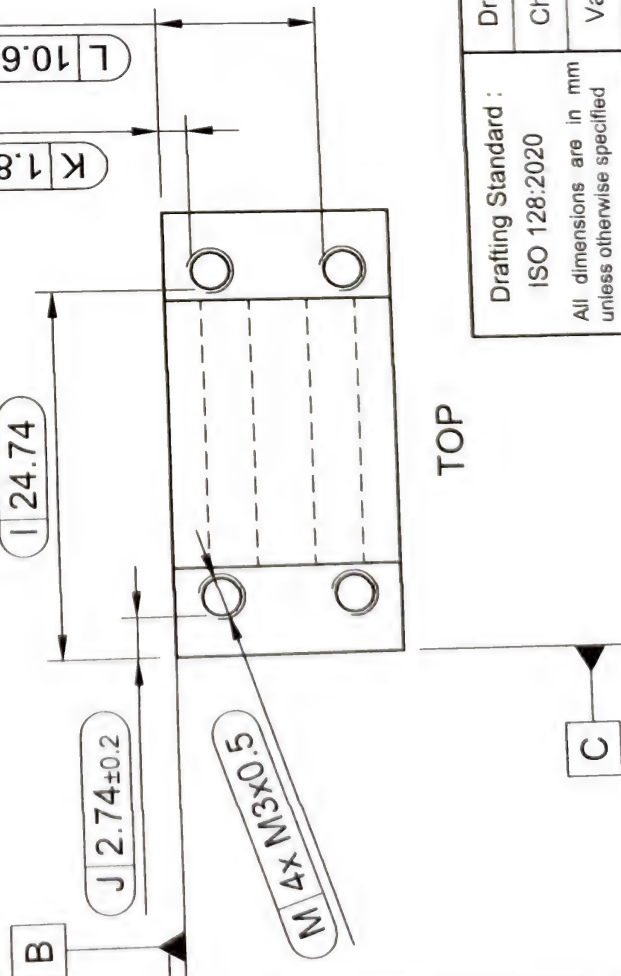
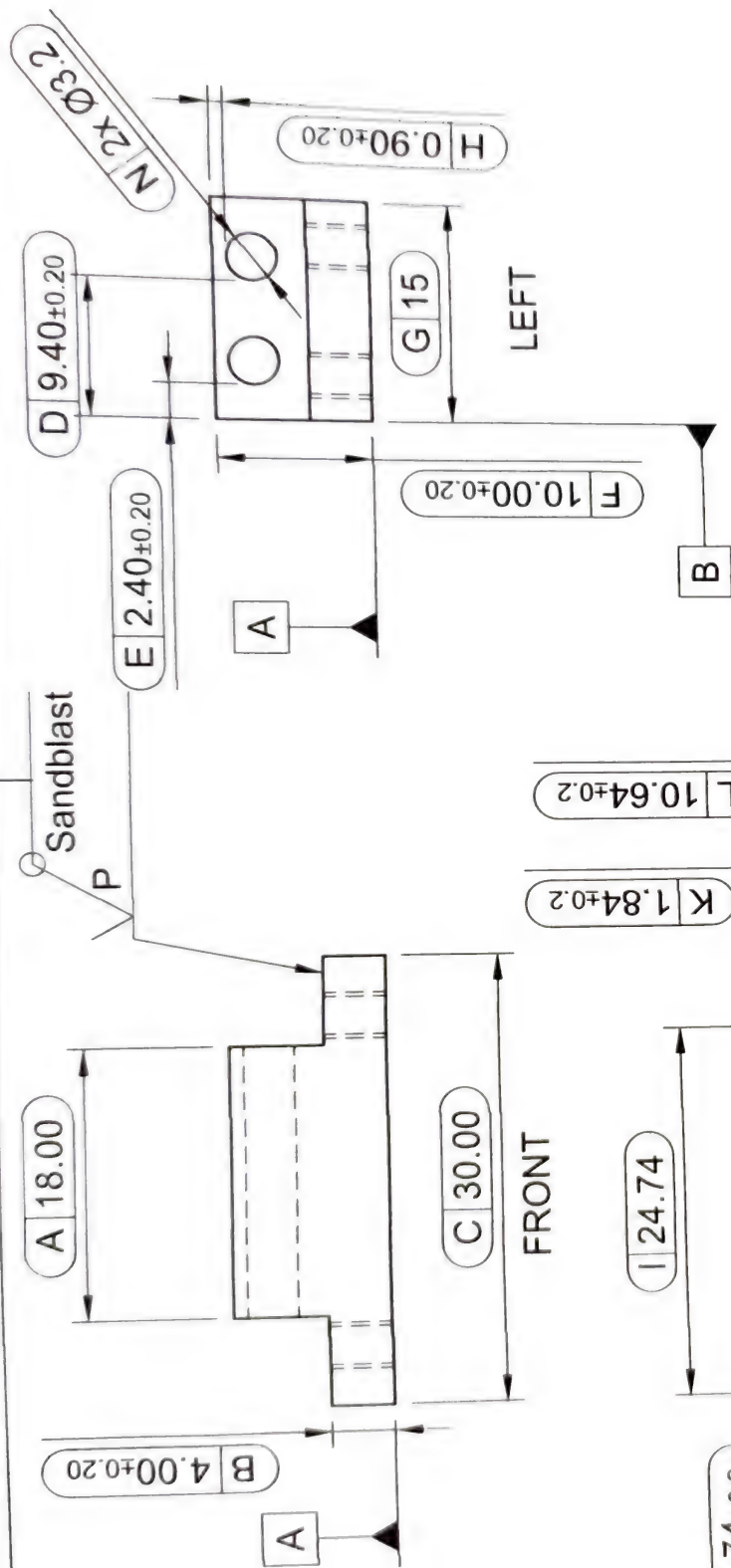


DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	18.02	+0.02	PASS
B	3.98	-0.02	PASS
C	30.01	+0.01	PASS
D	9.53	+0.13	PASS
E	2.55	+0.15	PASS
F 14.98	10.08 9.98	-0.02	PASS
G	14.99	-0.01	PASS
H	0.94	+0.04	PASS
I	24.74	+1-0.00	PASS
J	2.78	+0.04	PASS
K	1.86	+0.02	PASS
L	10.69	+0.05	PASS
M	M3 x 0.5	—	PASS
N	3.20	+1-0.00	PASS

Comments:

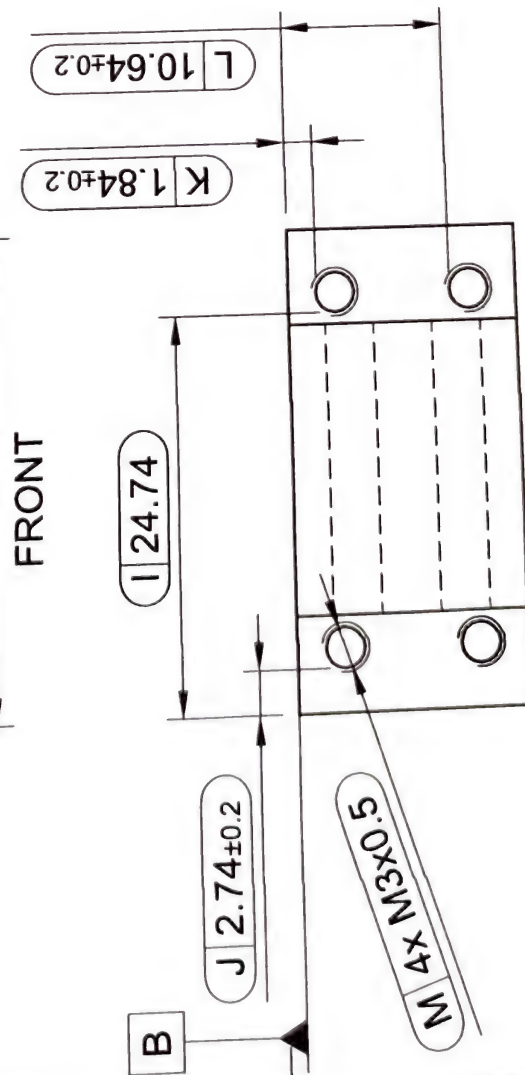
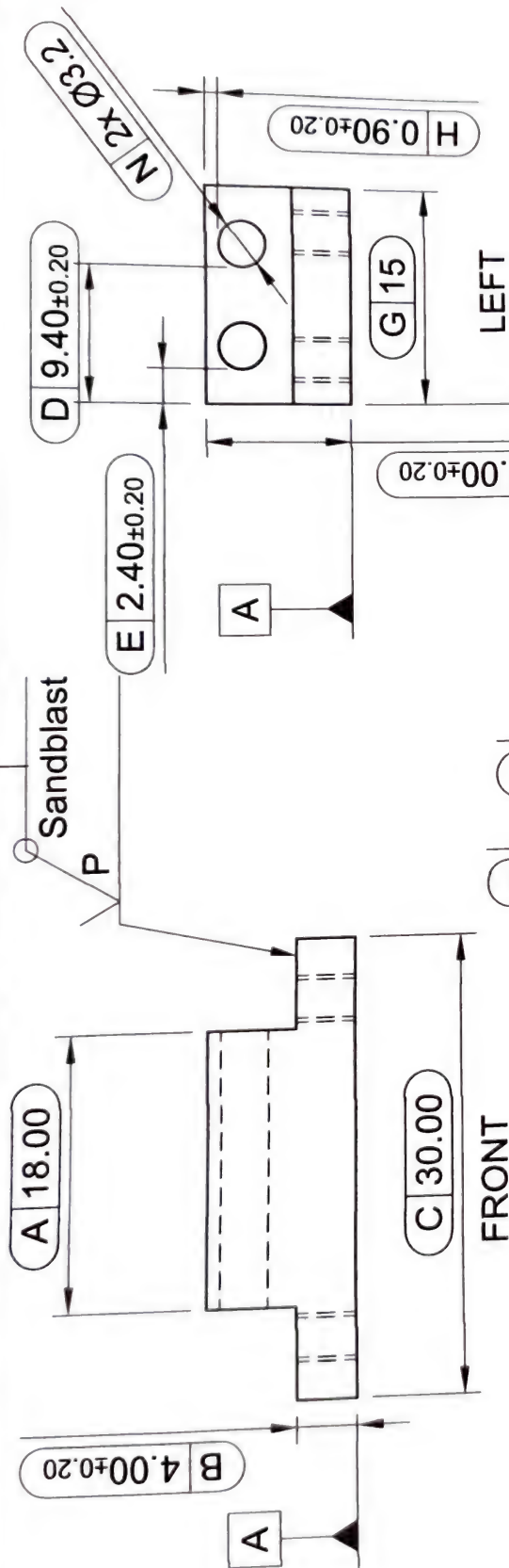
Designer approved dimensions out of tolerance

De-burred PASS		Tapped PASS		Surface Finish PASS	
Drilled PASS		Countersunk/bored N/A		Mass 8.24 g	8g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 2:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Ahil A	2/23/2023		
Tolerance +/- 0.1	Material ALUMINIUM	Machine ID		Sheet 2/2	
Part Name 7_1_1_SiliconeGripperMountingTopBrace				Part ID 1	



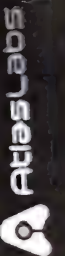
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/- 0.1	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Ahli A	2/23/2023		
Material ALUMINIUM			Machine ID	Sheet	1/2
Part Name 7_1_1_SiliconeGripperMountingTopBrace			Part ID	2	





TOP

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/- 0.1	Drawn by Kasun Y	6/29/2022	Scale 2:1
	Checked by Kavindha R	6/30/2022	
	Validated by Akil A	2/23/2023	
	Material ALUMINIUM	Machine ID	Sheet 1/2
Part Name 7_1_1_SiliconeGripperMountingTopBrace			Part ID 3



DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	18.03	+0.03	PASS
B	3.98	-0.02	PASS
C	29.99	-0.01	PASS
D	9.49	+0.09	PASS
E	2.46	+0.06	PASS
F	9.96	-0.04	PASS
G	14.99	0.01 -0.01	PASS
H	0.86	-0.04	PASS
I	24.82	+0.08	PASS
J	2.85	+0.11	PASS
K	1.85	+0.01	PASS
L	10.65	+0.01	PASS
M	M3 x 0.5	—	PASS
N	3.16	-0.04	PASS

Comments:

Designer approved dimensions out of tolerance.

De-burred PASS		Tapped PASS		Surface Finish PASS	
Drilled PASS		Countersunk/bored N/A		Mass 8.24 g	8g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 2:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Ahli A	2/23/2023		
Tolerance +/- 0.1	Material ALUMINIUM	Machine ID		Sheet 2/2	
				Part Name 7_1_1_SiliconeGripperMountingTopBrace	
				Part ID 3	

D 204

C 184

G 15±0.35

J

B 155±0.35

E 140


A 245.5

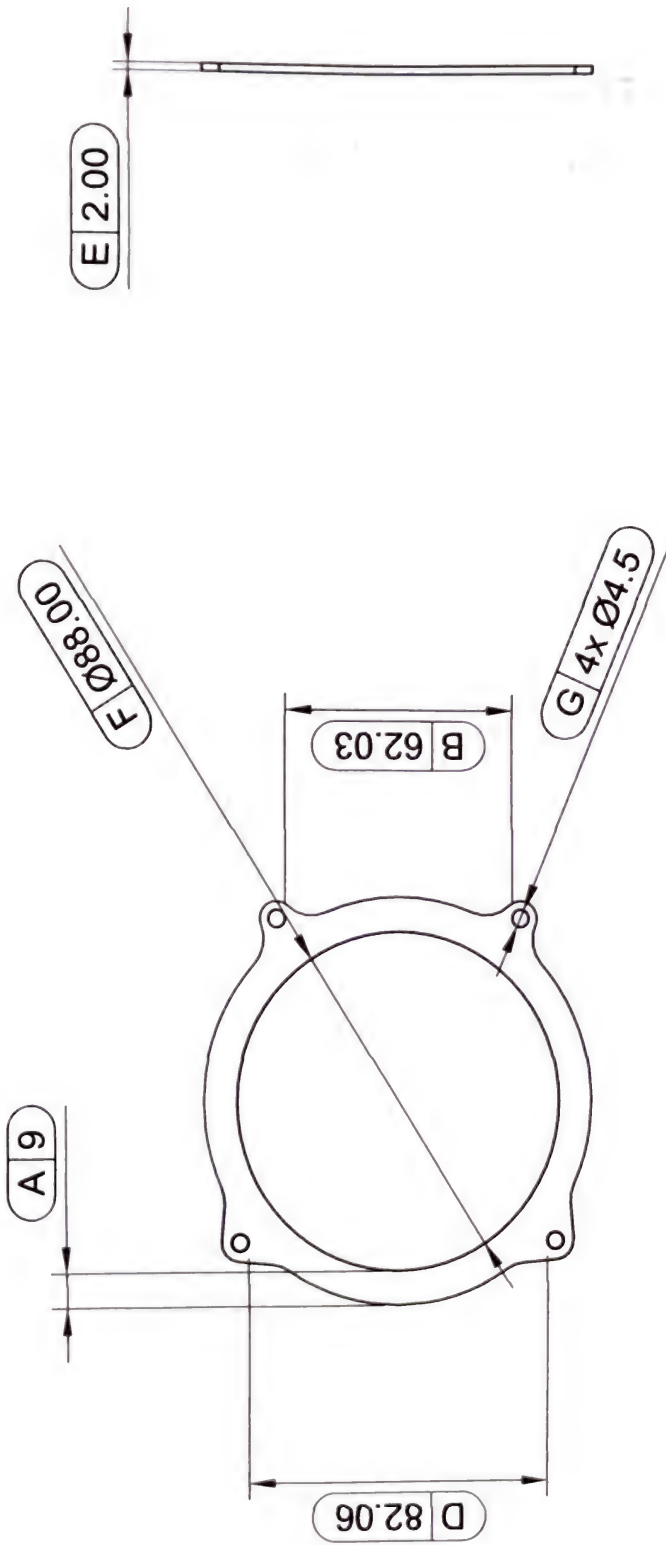
K


F 123±0.35

H 1.5

Sand Blast

<div>Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified</div> <div>Tolerance ±0.2</div>	Drawn by	Sadeep A	06/12/2022	Scale 1:3		
	Checked by	Asad	12/12/2022			
	Validated by	Hirna P	03/15/2023			
	Material	AL	Machine ID	Sheet 1/2		
<div> Atlas Labs</div>		Part Name 7_8_1_UncappingEnclosureBottom_Rev-6				Part ID



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/- 0.1	Drawn by	Kavindha R	6/29/2022	Scale	1:2
	Checked by	Kasun Y	7/29/2022		
	Validated by	Kavindra N	3/15/2023		
	Material	Aluminium	Machine ID	Sheet	1/2
Part Name		7_6_3_BearingBracket_Rev-6			
Part ID					

A 204

B 193

C 184

B

A

C

E 47.5

F 87

D 117

G 4.5 ± 0.2 H 6 ± 0.2

Drafting Standard :

ISO 128:2020

All dimensions are in mm
unless otherwise specifiedTolerance
 ± 0.15 

Drawn by

Asad

Checked by

Sadeep A

Validated by

Anuka.B

Material

Aluminum

Machine ID

12/13/2022

12/19/2022

21/02/2023

Scale 1:3



Sheet

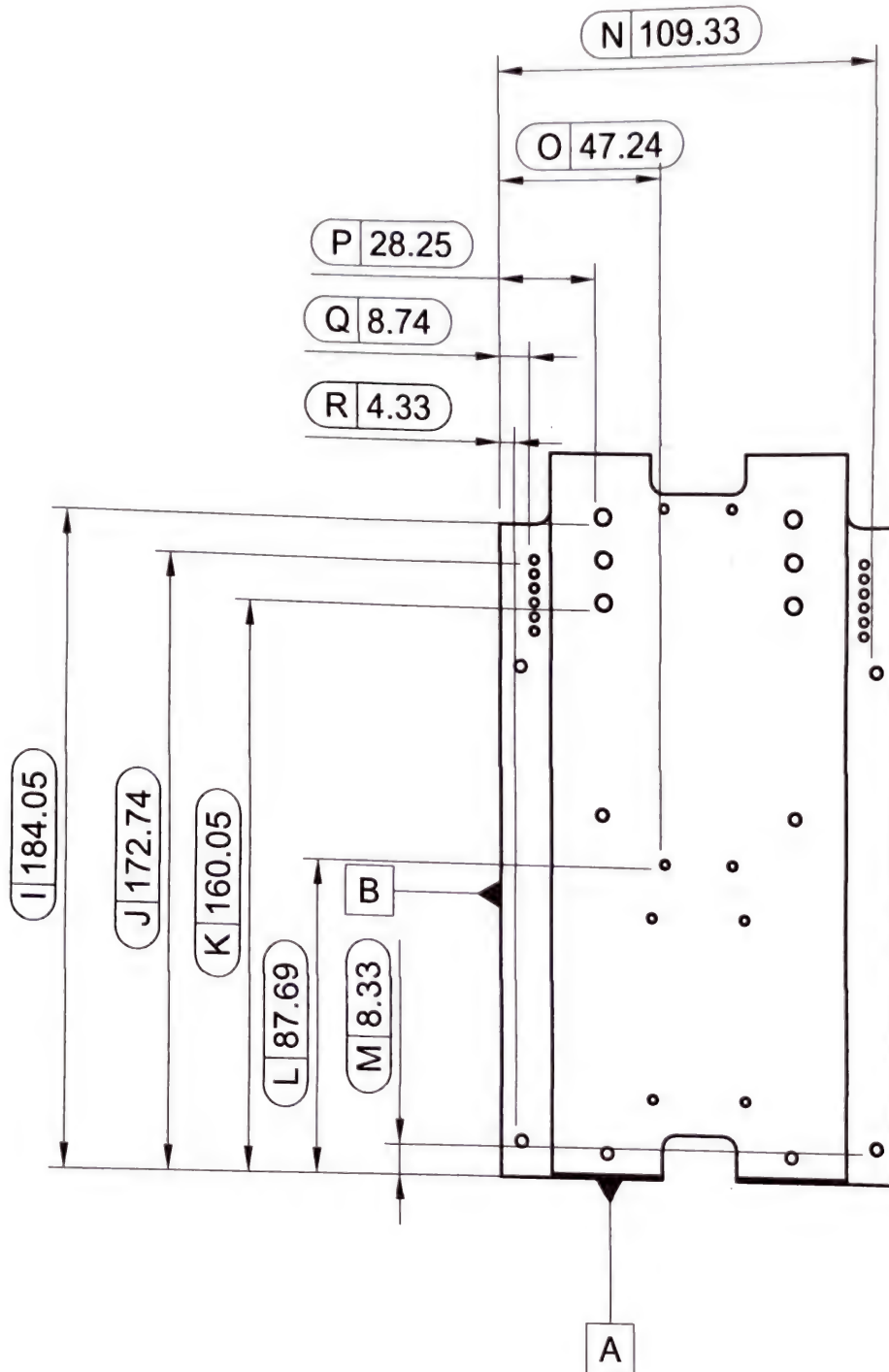
1/5

Part Name

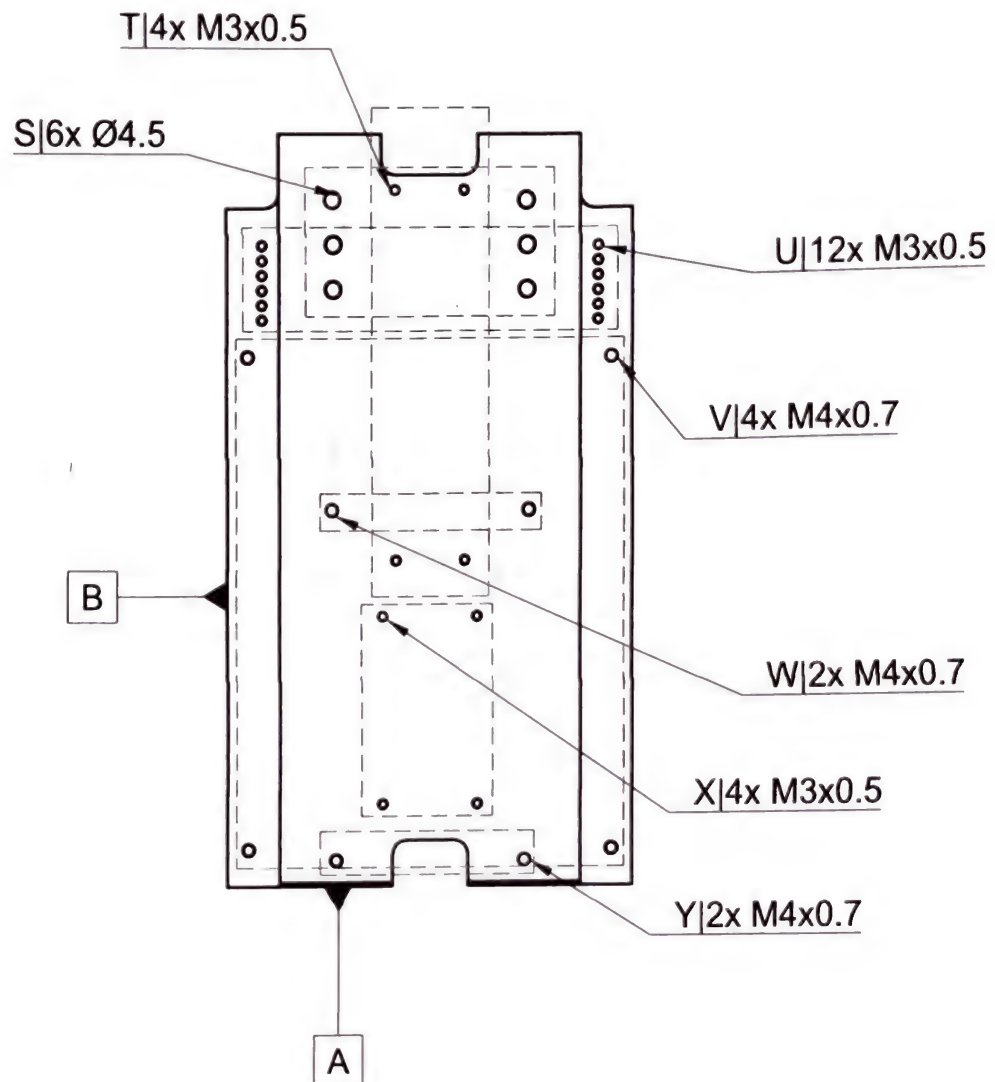
7_2_10_LinearActuatorMountingPlate_Rev-6



Part ID

2




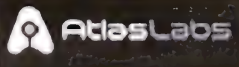
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	12/13/2022	Scale 1:3
	Checked by	Sadeep A	12/19/2022	
	Validated by	AnuKa B	24/02/2023	
Tolerance +/-0.15	Material Aluminium	Machine ID	Sheet 2/5	
	Part Name 7_2_10_LinearActuatorMountingPlate_Rev-6	Part ID 2		



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	12/13/2022	Scale	1:3
	Checked by	Sadeep A	12/19/2022		
	Validated by	Anuka - B	21/02/2023		
Tolerance +/-0.15	Material Aluminum	Machine ID	Sheet 3/5		
	Part Name			Part ID	
	7_2_10_LinearActuatorMountingPlate_Rev-6			2	

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	204.05	+0.05	Pass
B	193.04	+0.09	Pass
C	184	—	Pass
D	117.02	+0.02	Pass
E	47.54	+0.09	Pass
F	87.02	+0.02	Pass
G	4.62	+0.12	Pass
H	6.05	+0.05	Pass
I	184.11	+0.11	Pass
J	117.27 116.13	+0.13 +0.03	Pass
K	160.13	+0.13	Pass
L	87.77	+0.08	Pass
M	8.43	+0.10	Pass
N	109.38	+0.05	Pass
O	47.33	+0.09	Pass
P	28.23	+0.02	Pass
Q	8.79	+0.05	Pass
R	4.40	+0.07	Pass
S	6 x 4.5	—	Pass
T	4 x M3	—	Pass
U	12 x M3	—	Pass

Comments:

De-burred	N/A	Tapped	Pass	Surface Finish	Pass
Drilled	N/A	Countersunk/bored	N/A	Mass	345.43g
					335.40g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	12/13/2022	Scale	1:3
	Checked by	Sadeep A	12/19/2022		
	Validated by	Anuka B	21/02/2023		
Tolerance +/-0.15	Material	Aluminium	Machine ID	Sheet	4/5
	Part Name	7_2_10_LinearActuatorMountingPlate_Rev-6			Part ID
					2

Sandblasted

P

A

C 4.85

B 2.40

A 7.00

E 2.40


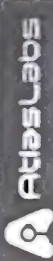
F 4X Ø3.20

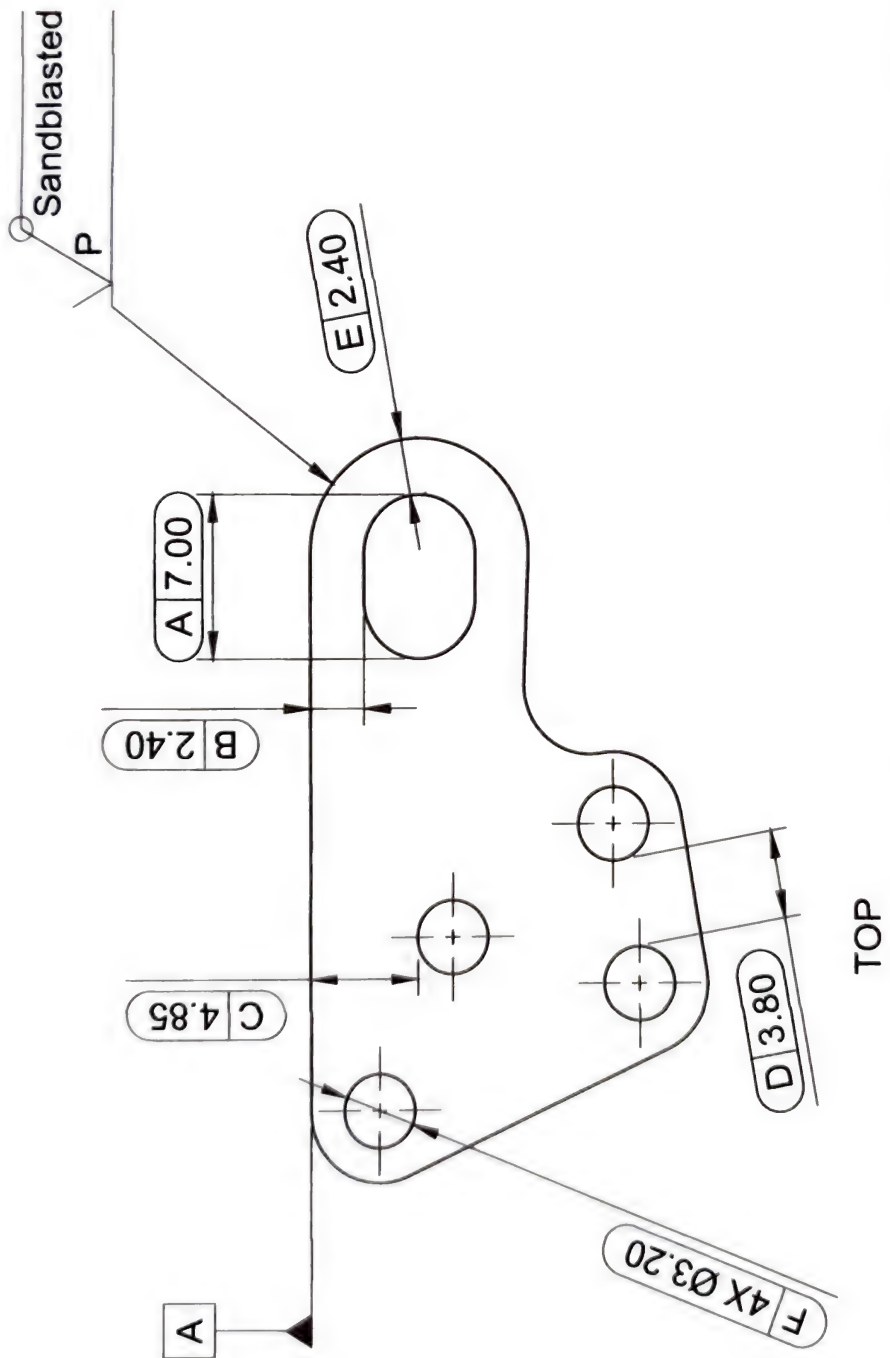
D 3.80



TOP

G 2±0.2

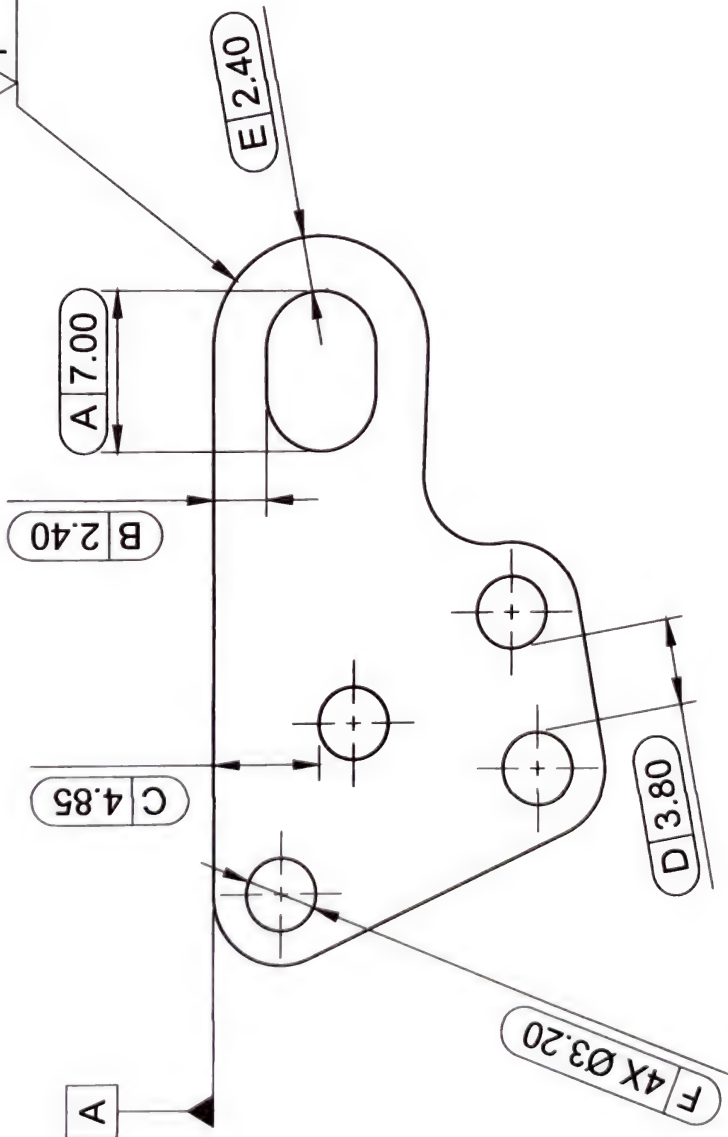
LEFT

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 4:1
	Checked by	Kavindha R	6/30/2022	
	Validated by	Aiyana P	2023/03/30	
Tolerance +/-0.1	Material ALUMINIUM		Machine ID	Sheet 1/2
				
	Part Name 7_4_1_SiliconeMountPlate			Part ID 2






Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	4:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Wruva P	2022/03/30		
Tolerance +/-0.1	Material	ALUMINIUM	Machine ID	Sheet	1/2
		Part Name 7_4_1_SiliconeMountPlate			Part ID 3

Sandblasted
P





TOP

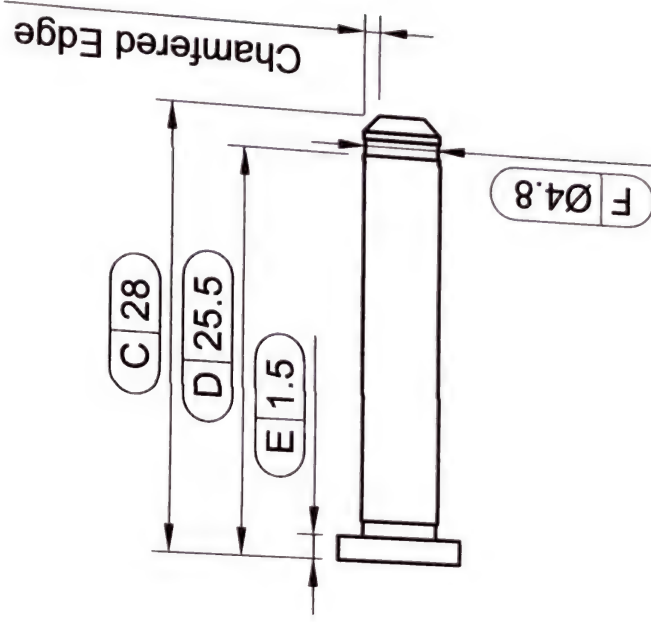
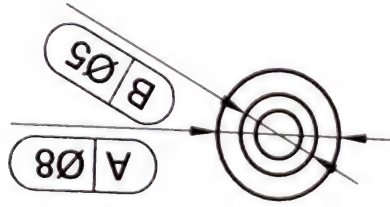
LEFT


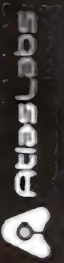
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	4:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Hiruna P	2022/03/30		
Tolerance +/-0.1	Material	ALUMINIUM	Machine ID	Sheet	1/2
		Part Name		Part ID	
7_4_1_SiliconeMountPlate				1	

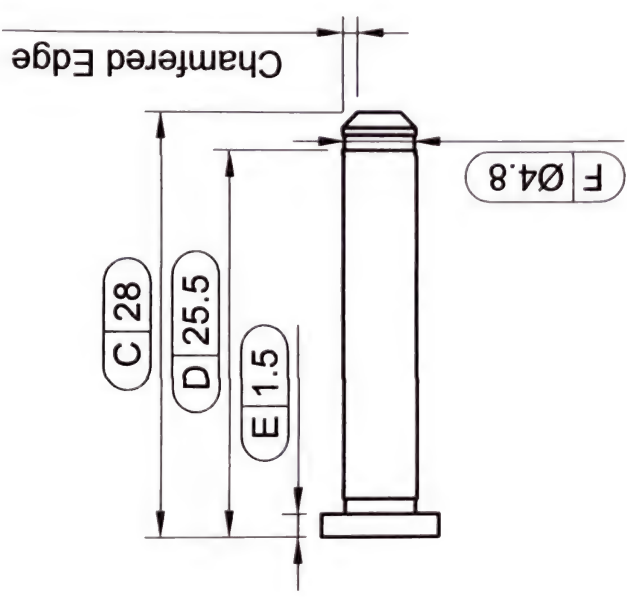
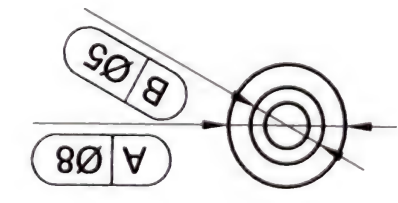
DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	7.01	+0.01	Pass
B	2.45	+0.05	Pass
C	4.78	-0.07	Pass
D	3.82	+0.02	Pass
E	2.38	-0.02	Pass
F	3.16	-0.04	Pass
G	1.97	+0.03	Pass
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Comments: Several hole locations are not important, therefore not dimensioned

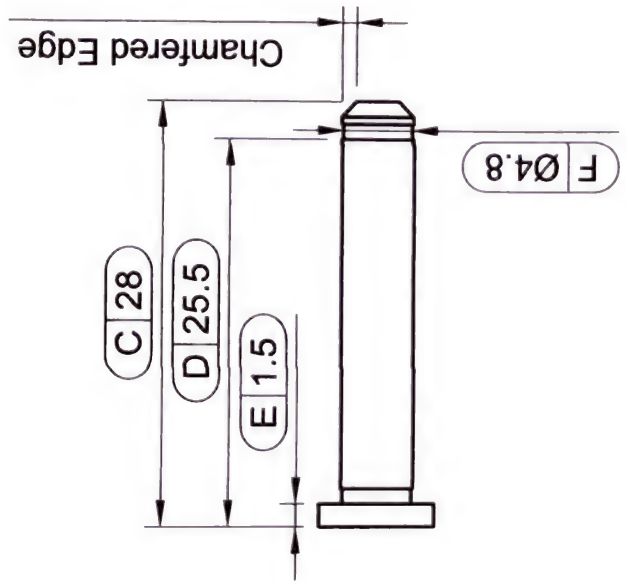
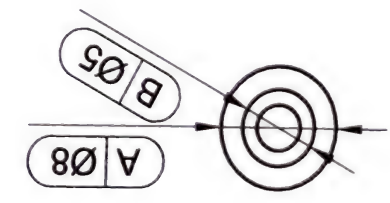
De-burred <i>Pass</i>		Tapped <i>N/A</i>		Surface Finish <i>pass.</i>	
Drilled <i>Pass</i>		Countersunk/bored <i>N/A</i>		Mass 1.809 g	<i>1.5g</i>
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 4:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	<i>Hiruna P</i>	<i>2023/03/30</i>		
Tolerance +/- 0.1	Material ALUMINIUM	Machine ID		Sheet 2/2	
		Part Name 7_4_1_SiliconeMountPlate			Part ID <i>1</i>



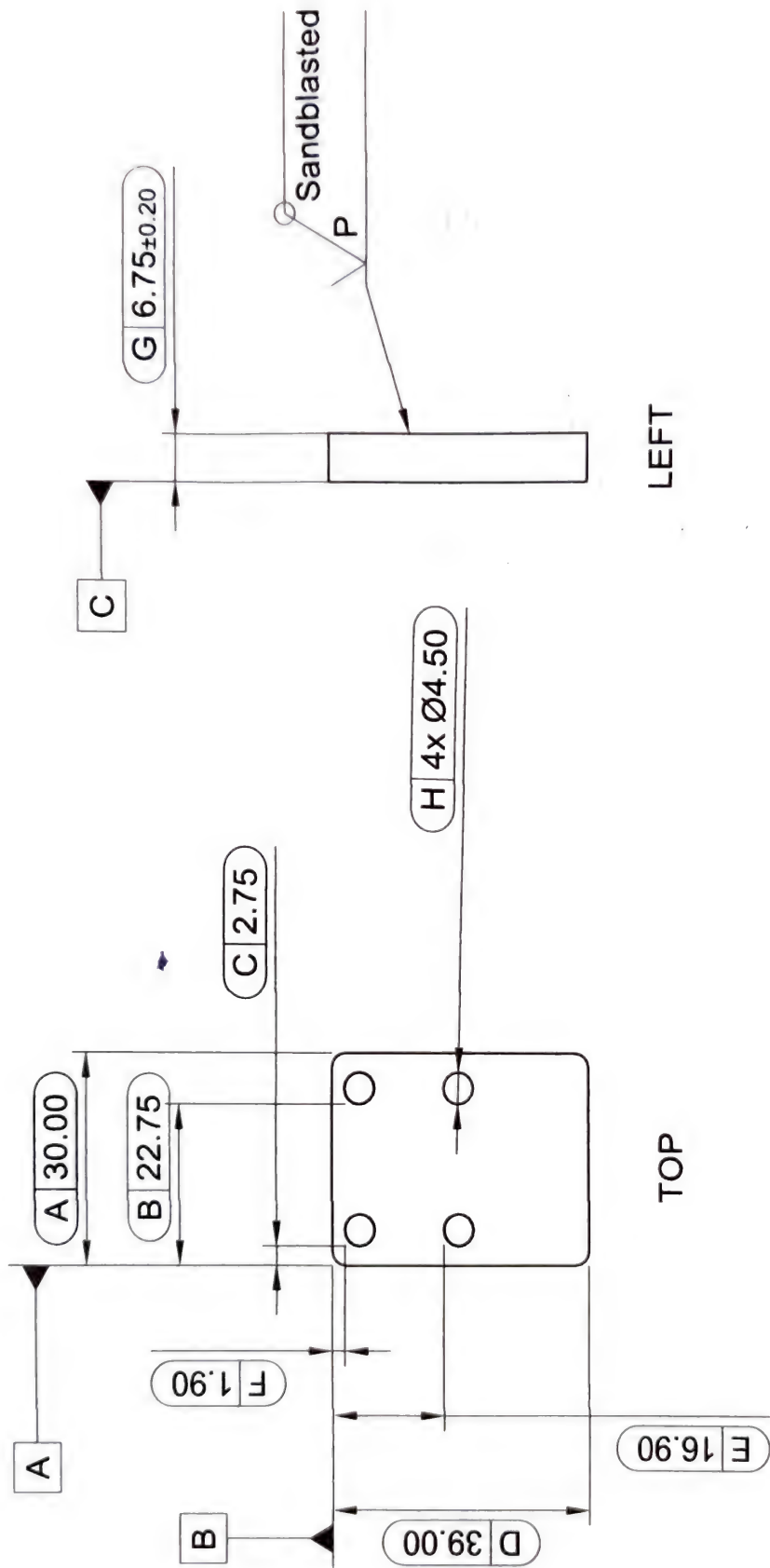
<div>Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified</div>	Drawn by	Asad	12/20/2022	Scale	2:1
	Checked by	Kasun Y	12/20/2022	<div></div>	
	Validated by	Dishaal G	03 / 24 / 2023		
<div>Tolerance +/-0.15</div>	Material		Machine ID		Sheet
	SS				1/2
<div></div>	Part Name			Part ID	
	7_4_34_LinkagePin			3	



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	12/20/2022	Scale	2:1
	Checked by	Kasun Y	12/20/2022		
	Validated by	Disha G			
Tolerance +/-0.15	Material	SS	Machine ID	Sheet	1/2
		Part Name 7_4_34_LinkagePin			
		Part ID 2			





Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/-0.15	Drawn by	Asad	12/20/2022	Scale	2:1
	Checked by	Kasun Y	12/20/2022		
	Validated by	Disha C	3/24/2023		
	Material	SS	Machine ID	Sheet	1/2
Part Name		7_4_34_LinkagePin			
		Part ID			
		1			

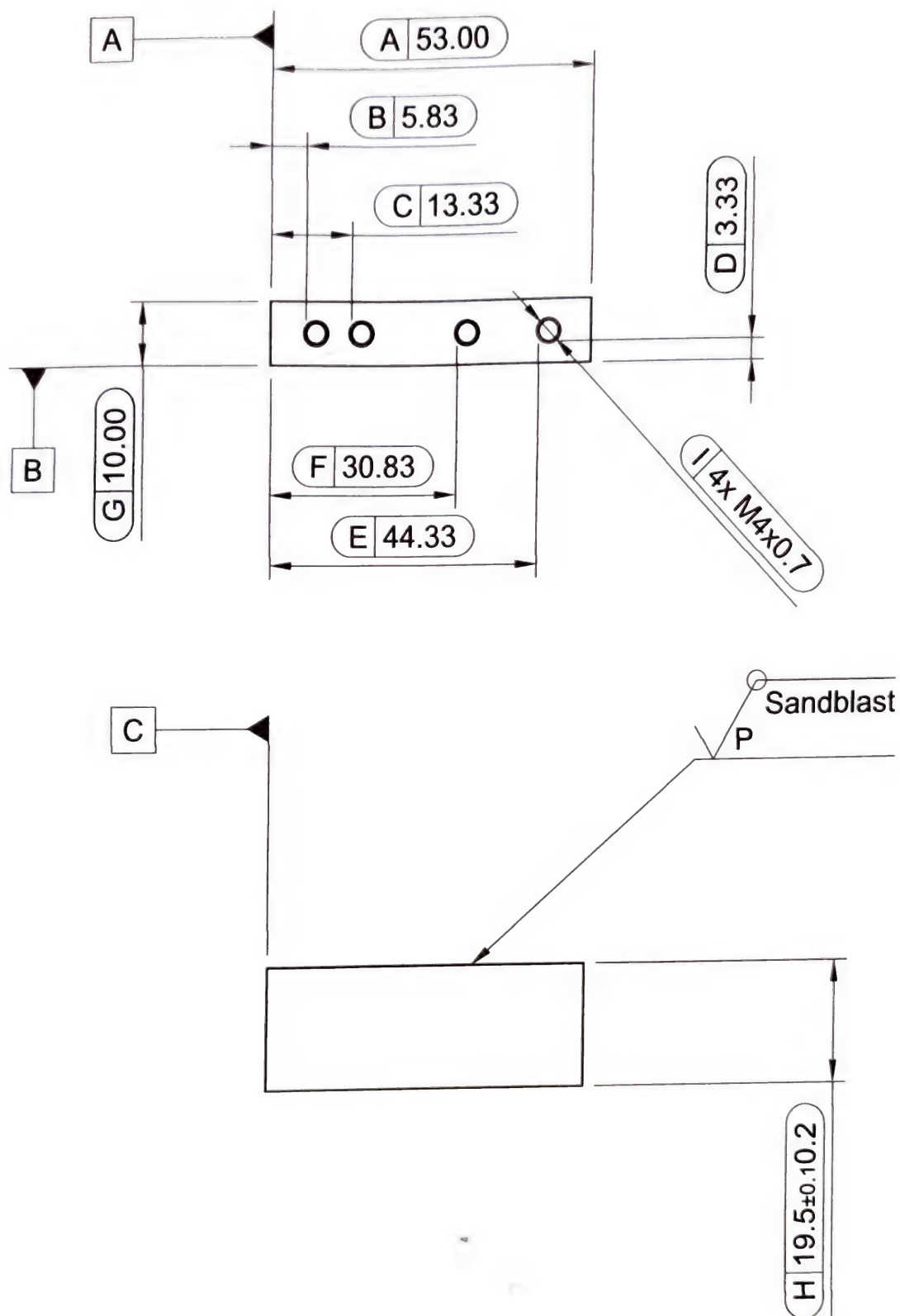


LEFT

TOP

<div>Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/- 0.1</div>	Drawn by	Kavindha R	6/30/2022	Scale 1:1		
	Checked by	Kasun Y	7/29/2022			
	Validated by	Kavindra	2/21/2023			
	Material	Aluminium	Machine ID	Sheet 1/2		
Part Name		7_2_32_MountPlateSpacer				Part ID
						

E3

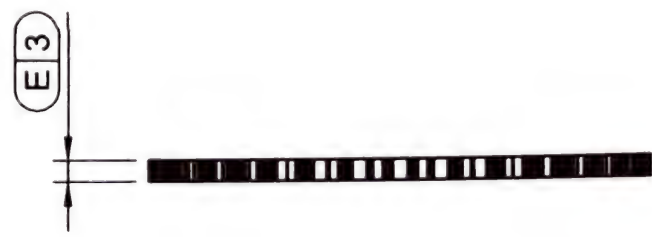
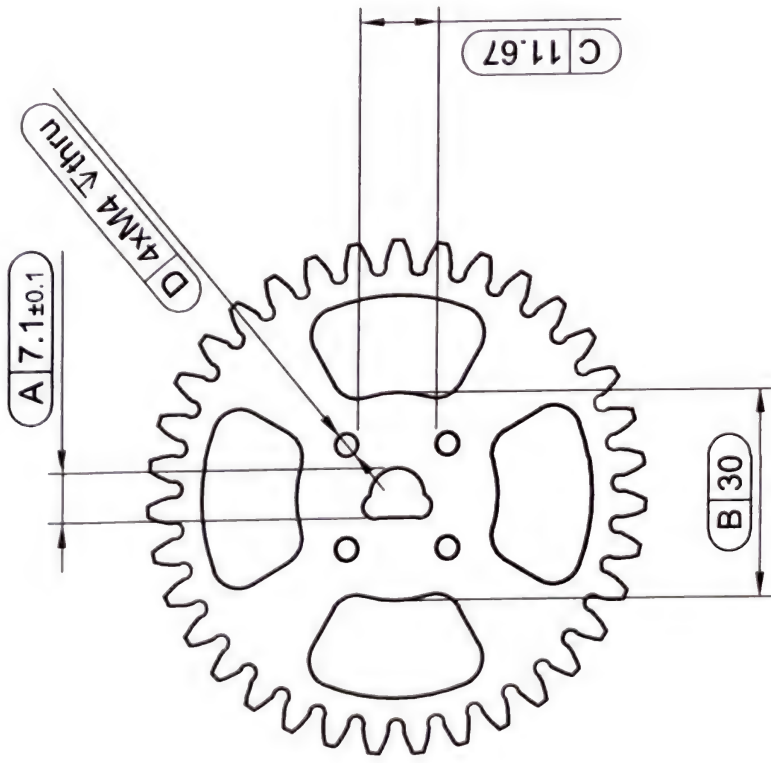



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	6/29/2022	Scale	1:1
	Checked by	Kasun Y	7/29/2022		
	Validated by	Ragunath m	20/02/23		
Tolerance +/- 0.1	Material	Aluminum	Machine ID	Sheet	1/2
	Part Name	7_2_16_MainPlateSpacer			Part ID
					4

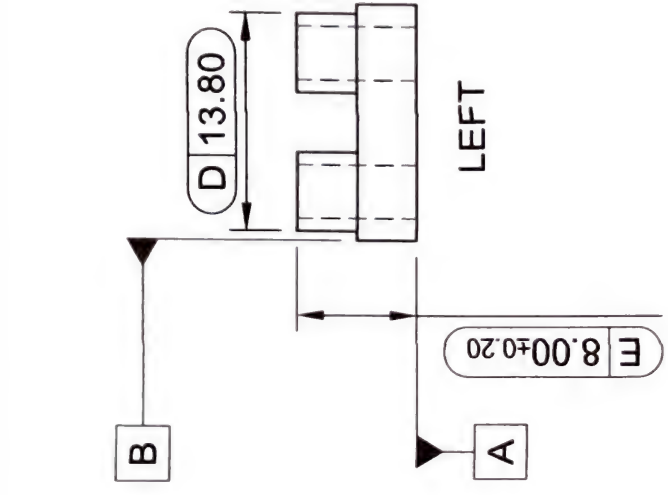
DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	53	-	PASS
B	5.90	+0.07	PASS
C	13.34	+0.01	PASS
D	3.39	+0.06	PASS
E	44.39	+0.06	PASS
F	30.84	+0.01	PASS
G	10.01	+0.01	PASS
H	19.51	+0.01	PASS
I	N/A	-	PASS
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Comments:

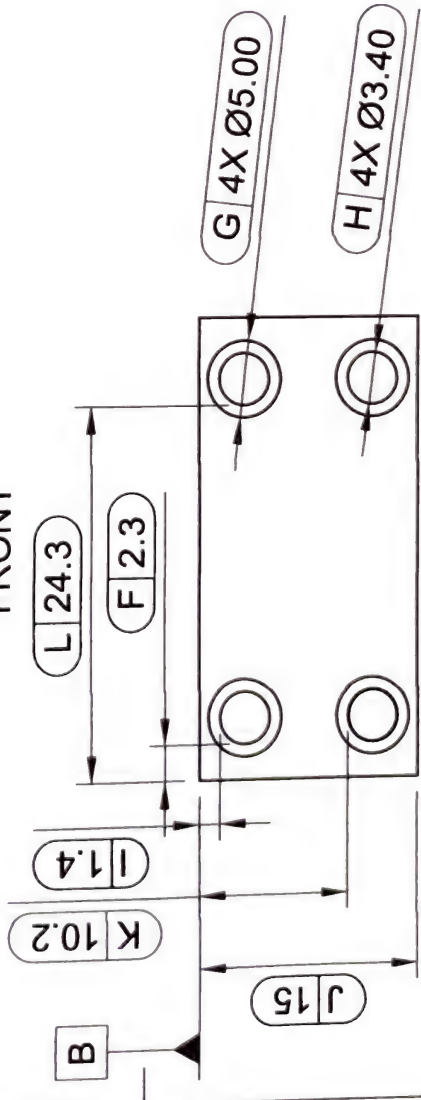
De-burred		Tapped		Surface Finish	
PASS		PASS		PASS	
Drilled		Countersunk/bored		Mass	
PASS		N/A		26.068 g	
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified		Drawn by Kavindha R		6/29/2022	
		Checked by Kasun Y		7/29/2022	
		Validated by Ragunath M		20/02/23	
Tolerance +/- 0.1		Material Aluminium		Machine ID	
				Sheet 2/2	
Atlas Labs		Part Name 7_2_16_MainPlateSpacer			Part ID 1



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	2/8/2023	Scale 1
	Checked by	Kaoun M	21/03/2023	
	Validated by	Kaoun M	21/03/2023	
Tolerance +/-0.15	Material	SS	Machine ID	Sheet 1/2
	Part Name			Part ID
	7_7_3_MotorGearCNC_Rev-6			



FRONT


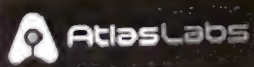


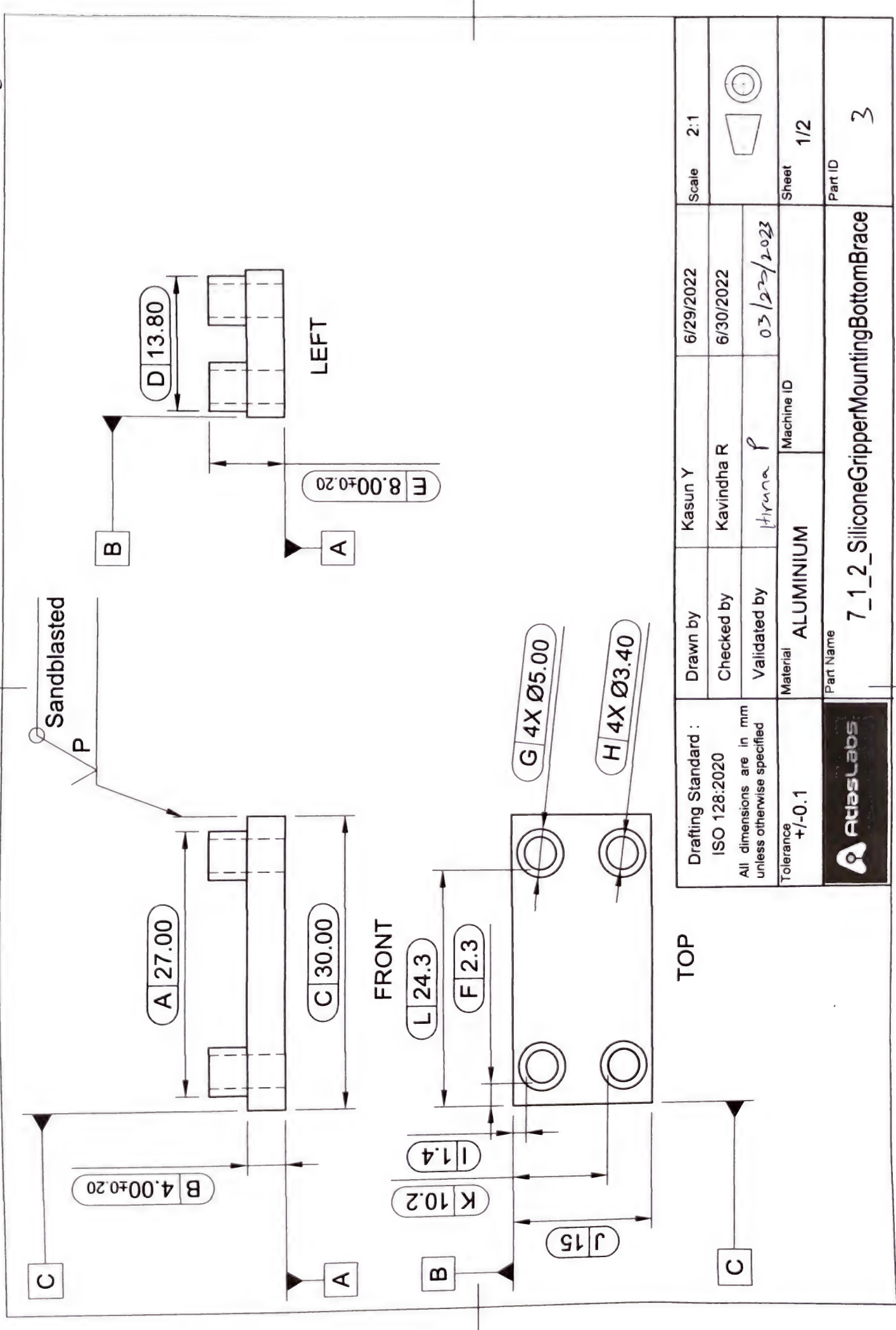
TOP

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance +/-0.1	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Hiruna P	03/23/2022		
	Material	ALUMINIUM	Machine ID	Sheet	1/2
Part Name		7_1_2_SiliconeGripperMountingBottomBrace			Part ID
					1

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.01	+0.01	Pass
B	3.97	-0.03	Pass
C	30.06	+0.06	Pass
D	13.79	-0.01	Pass
E	7.91	-0.09	Pass.
F	2.39	+0.09	Pass.
G	6.82	+1.82	Pass
H	3.42	+0.02	Pass.
I	1.48	+0.08	Pass.
J	14.98	-0.02	Pass -
K	16.27	+0.07	Pass.
L	24.38	+0.08	Pass.
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Comments: Dimension G was passed since not critical.

De-burred	Pass	Tapped	N/A	Surface Finish	Pass
Drilled	Pass.	Countersunk/bored	Pass	Mass	4.924 g
					49
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Hiruna P	03/23/2023		
Tolerance +/- 0.1	Material	Aluminium	Machine ID	Sheet	2/2
	Part Name	7_1_2_SiliconeGripperMountingMidBrace			Part ID
					7

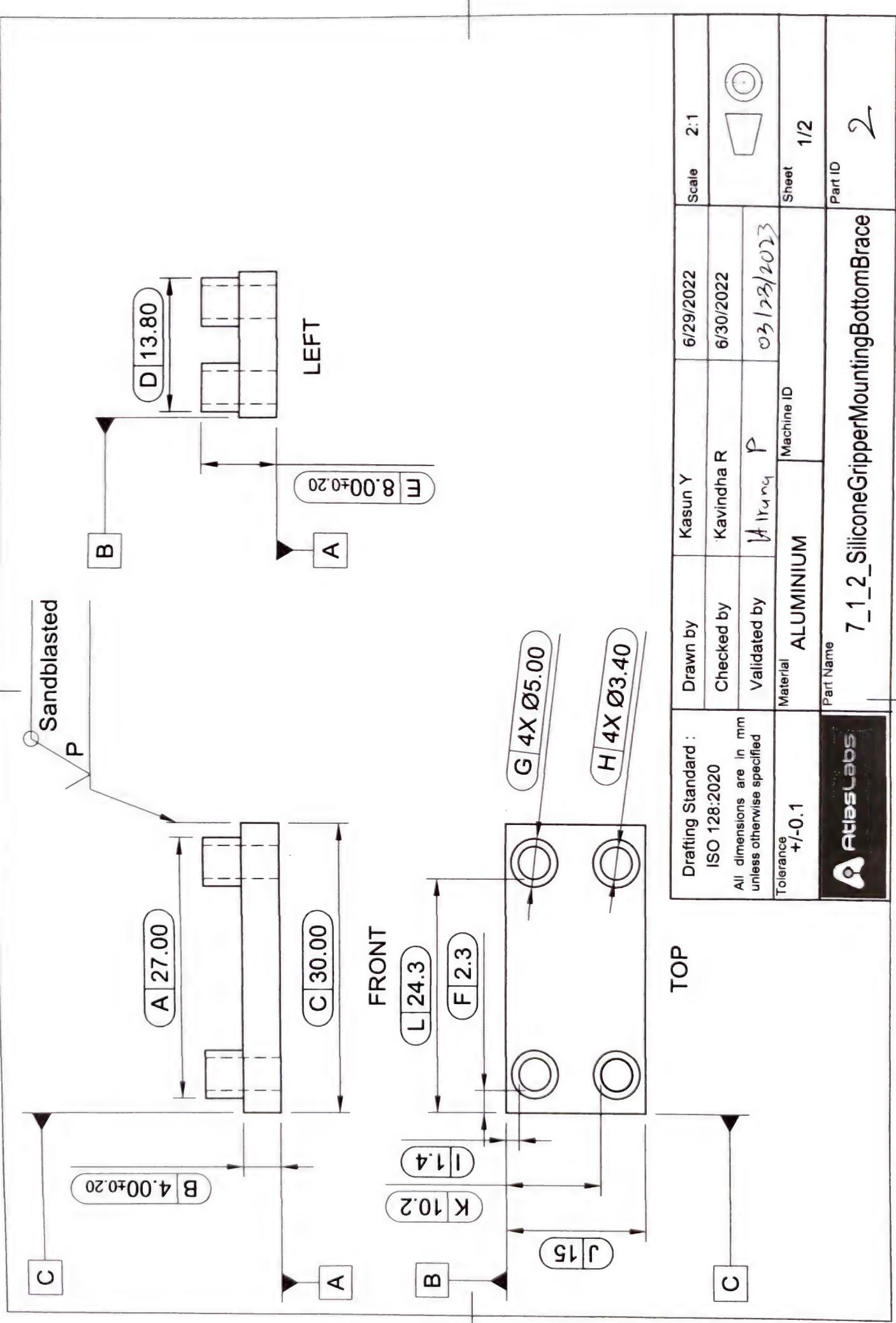


Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Hiruna P	03/23/2023		
Tolerance +/-0.1	Material	ALUMINIUM	Machine ID	Sheet	1/2
Part Name		7_1_2_SiliconeGripperMountingBottomBrace		Part ID	
AtlasLabs				3	

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	26.95	-0.05	Pass.
B	4.05	+0.03	Pass.
C	30.04	+0.04	Pass.
D	13.81	+0.01	Pass.
E	8.02	+0.02	Pass.
F	2.37	+0.07	Pass.
G	6.05	+1.05	Pass.
H	3.31	-0.09	Pass.
I	1.49	+0.09	Pass.
J	14.96	-0.04	Pass.
K	10.26	+0.06	Pass.
L	24.38	+0.08	Pass.
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Comments: Dimension G was passed since not critical.


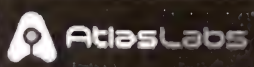
De-burred <i>Pass</i>		Tapped <i>N/A</i>		Surface Finish <i>Pass.</i>	
Drilled <i>Pass</i>		Countersunk/bored <i>Pass.</i>		Mass 4.924 g <i>4 g</i>	
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 2:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Hiruna P	03/23/2023		
Tolerance +/- 0.1	Material Aluminium	Machine ID		Sheet 2/2	
				Part Name 7_1_2_SiliconeGripperMountingMidBrace Part ID 3	

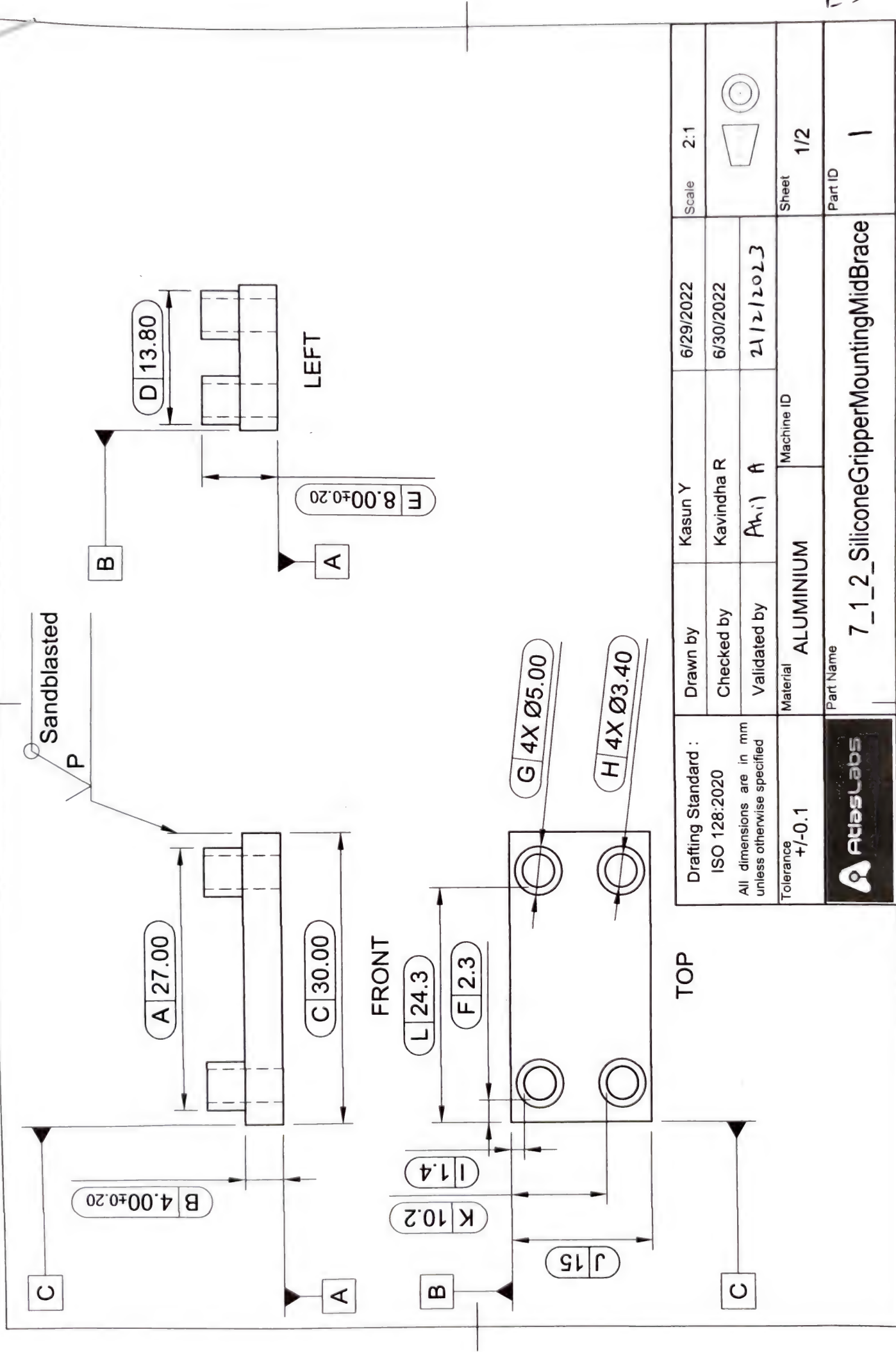


Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Kasun Y	6/29/2022	Scale 2:1
Tolerance +/-0.1	Checked by Kavindha R	6/30/2022	
	Validated by Arun P	03/29/2023	
Material ALUMINIUM	Machine ID	Sheet 1/2	
Part Name AtlasLabs	7_1_2_SiliconeGripperMountingBottomBrace		
	Part ID 2		

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.00	+0.00	Pass.
B	3.98	-0.02	Pass
C	30.05	+0.05	Pass
D	13.71	-0.09	Pass
E	7.91	-0.09	Pass
F	2.37	+0.07	Pass
G	5.75	+0.75	Pass
H	3.30	-0.10	Pass.
I	1.43	+0.03	Pass.
J	14.94	-0.06	Pass
K	10.20	+0.00	Pass
L	24.36	+0.06	Pass.
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Comments: Dimension G was passed since not critical.

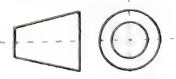
De-burred	Pass	Tapped	N/A	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	Pass.	Mass	4.924 g
					4g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Aruna P	03/23/2023		
Tolerance +/- 0.1	Material Aluminium	Machine ID		Sheet	2/2
	Part Name 7_1_2_SiliconeGripperMountingMidBrace			Part ID	



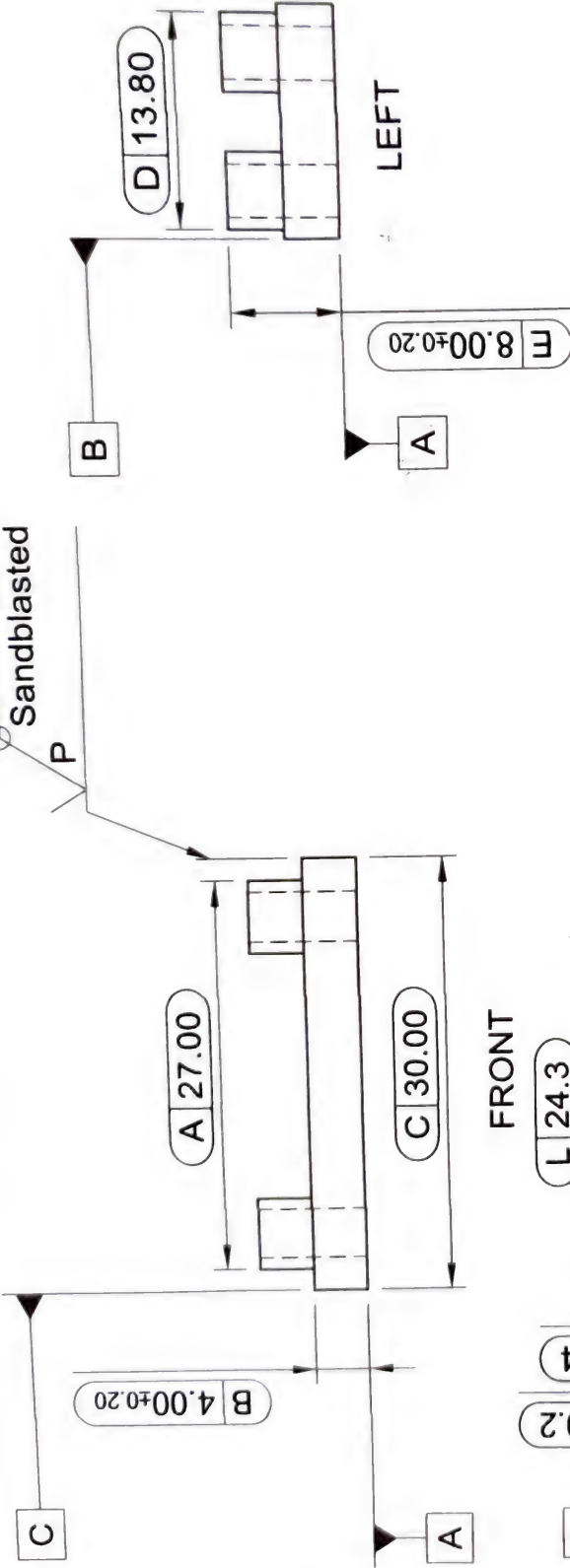
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 2:1
	Checked by	Kavindha R	6/30/2022	
	Validated by	Anil A	21/2/2023	
Tolerance +/-0.1	Material	ALUMINIUM	Machine ID	Sheet 1/2
	Part Name 7_1_2_SiliconeGripperMountingMidBrace			Part ID 1
<div>Atlas Labs</div>				

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.00	+/- 0.00	PASS
B	3.98	-0.02	PASS
C	30.01	+0.01	PASS
D	13.81	+0.01	PASS
E	7.98	-0.02	PASS
F	2.33	+0.03	PASS
G <i>drill</i>	14.3 14.99	+0.03 -0.01	PASS
H <i>drill</i>	14.47 3.38	-0.02 <i>drill</i>	PASS
I <i>drill</i>	10.28 1.43	+0.08 +0.03	PASS
J	14.98	-0.02	PASS
K	10.28	+0.08	PASS
L	24.30	+/-0.00 <i>drill</i>	PASS
-			
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Comments:

De-burred PASS		Tapped N/A		Surface Finish PASS	
Drilled PASS		Countersunk/bored N/A		Mass 4.924 g	4g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 2:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Amil A	21/2/2023		
Tolerance +/- 0.1	Material Aluminium		Machine ID		Sheet 2/2
Part Name 7_1_2_SiliconeGripperMountingMidBrace					Part ID 1

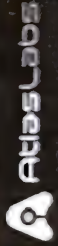
Sandblasted



FRONT

TOP

<div>Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified</div>	Drawn by	Kasun Y	6/29/2022	Scale 2:1
	Checked by	Kavindha R	6/30/2022	
	Validated by	Ahli A	21/2/2023	
Tolerance +/-0.1	Material ALUMINIUM		Machine ID	Sheet 1/2
	Part Name 7_1_2_SiliconeGripperMountingMidBrace			
Part ID 2				



Part Name

7_1_2_SiliconeGripperMountingMidBrace

Part ID

2

Sheet

1/2

Scale

6/29/2022

Kasun Y

Drawn by

Drafting Standard :

ISO 128:2020

All dimensions are in mm unless otherwise specified

Validated by

Ahli A

6/30/2022

Checked by

Kavindha R

6/29/2022

Drawn by

Kasun Y

6/29/2022

Checked by

Kavindha R

6/30/2022

Validated by

Ahli A

21/2/2023

Machine ID

ALUMINIUM

Material

1/2

Sheet


2

Scale

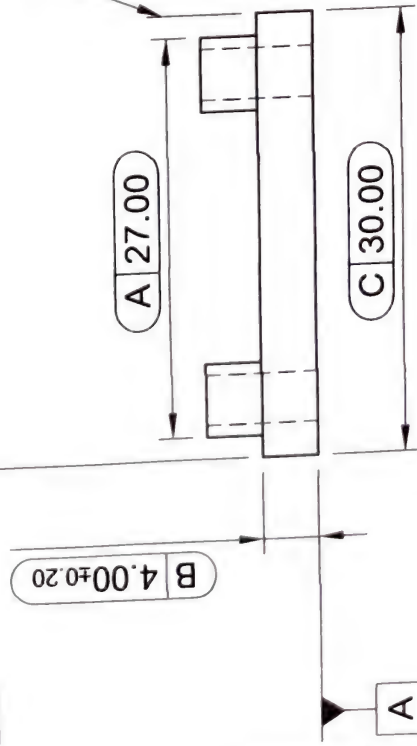
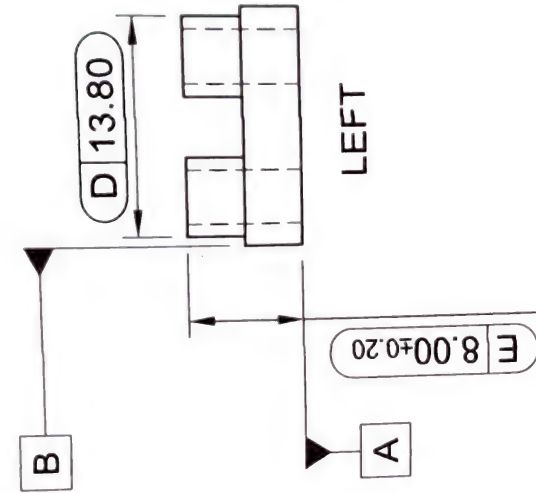
2:1

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.00	+/- 0.00	PASS
B	4.07	+0.07	PASS
C	30.01	+0.01	PASS
D	13.79	-0.01	PASS
E	7.97	-0.03	PASS
F	2.35	+0.05	PASS
G	4.98	-0.02	PASS
H	3.36	-0.04	PASS
I	1.40	+/- 0.00	PASS
J	14.98	-0.02	PASS
K	10.21	+0.01	PASS
L	24.35	+0.05	PASS
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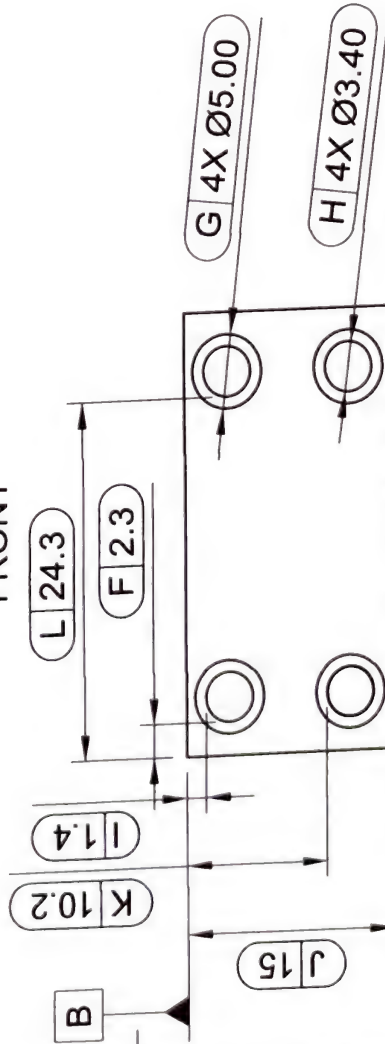
Comments:

De-burred	PASS	Tapped	N/A	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	N/A	Mass	4.924 g
					3 g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Ahil A	21/2/2023		
Tolerance +/- 0.1	Material	Aluminium	Machine ID	Sheet	2/2
 Atlas Labs	Part Name	7_1_2_SiliconeGripperMountingMidBrace			Part ID
					2

Sandblasted



FRONT



TOP

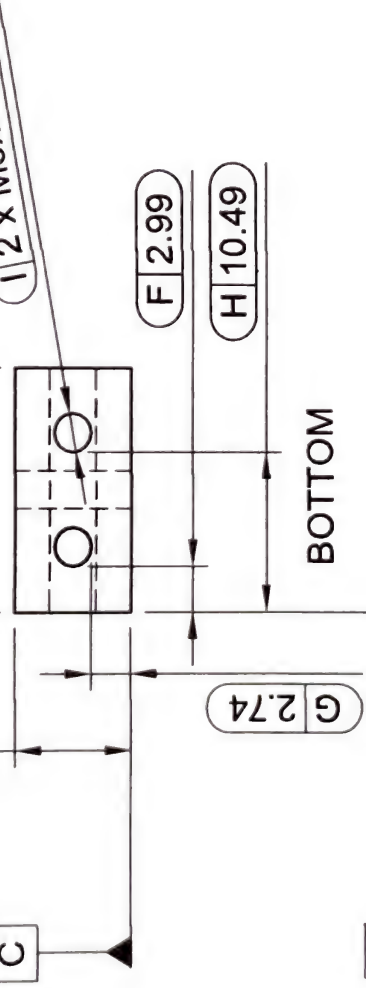
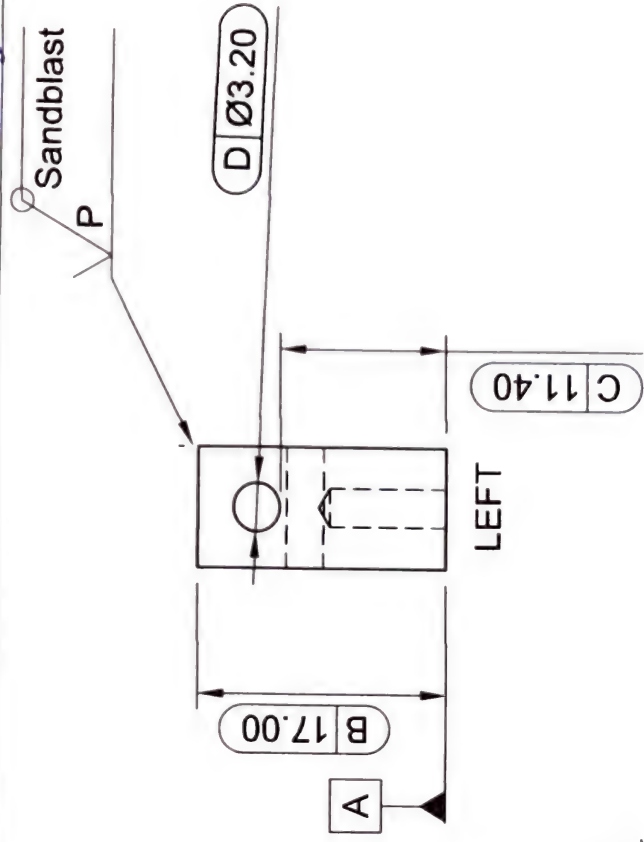
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified Tolerance ± 0.1	Drawn by	Kasun Y	6/29/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Pril A	21/2/2023		
Material		ALUMINIUM	Machine ID	Sheet	1/2
Part Name		7_1_2_SiliconeGripperMountingMidBrace			Part ID
Atlas Labs		3			

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.00	+/- 0.00	PASS
B	3.99	-0.01	PASS
C	30.04	+0.04	PASS
D	13.81	+0.01	PASS
E	8.00	+/- 0.00	PASS
F	2.36	+0.06	PASS
G	4.99	-0.01	PASS
H	3.34	-0.06	PASS
I	1.37	-0.03	PASS
J	14.97	-0.03	PASS
K	10.16	-0.04	PASS
L	24.30	+/- 0.00	PASS
-			
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Comments:

De-burred PASS		Tapped N/A		Surface Finish PASS	
Drilled PASS		Countersunk/bored N/A		Mass 4.924 g	3.09
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/29/2022	Scale 2:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Anil A	21/2/2023		
Tolerance +/- 0.1	Material Aluminium		Machine ID		Sheet 2/2
		Part Name 7_1_2_SiliconeGripperMountingMidBrace			Part ID 3



E3



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Navindha N	3/23/2023		
	Tolerance +/-0.1	Material ALUMINIUM	Machine ID	Sheet	1/2
Atlas Labs		Part Name 7_4_35_HomingLinkage_Rev-6		Part ID	

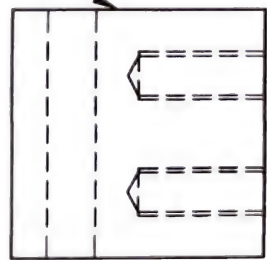
[illegible]

Comments:

De-burred	Pass	Tapped	Pass	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	N/A	Mass 6.852 g	5g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale	2:1
	Checked by	Kavindha R	6/30/2022		
	Validated by	Movindra N	3/23/2023		
Tolerance +/-0.1	Material ALUMINIUM	Machine ID	Sheet 2/2		
 Atlas Labs	Part Name 7_4_35_HomingLinkage_Rev-6			Part ID	

1

Sandblast
P



FRONT

A 16.00±0.20

B

C

F 2.99

E 10.49

I 2.74

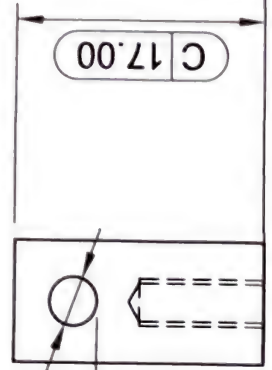


BOTTOM

G 8.00

B

H 2x M3x0.5 ∇ 7.0



LEFT

D 11.40

C 17.00

B Ø3.20

A

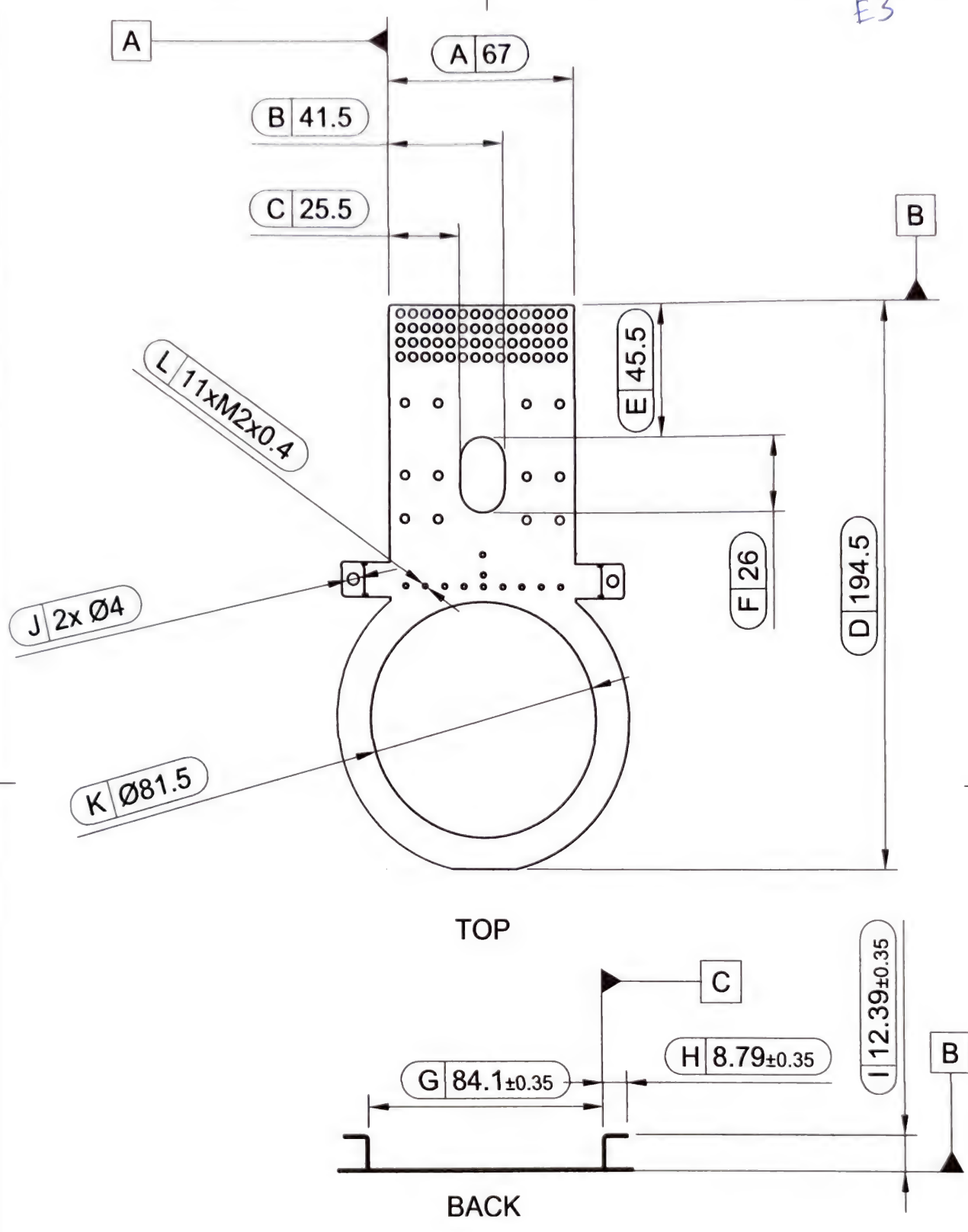
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Kasun Y	6/30/2022	Scale 2:1
Tolerance +/-0.1	Checked by Kavindha R	6/30/2022	
	Validated by Vishakh H	3/23/2023	
	Material Aluminium	Machine ID	Sheet 1/2
AtlasLabs	Part Name 7_4_2_Linkage_Rev-6	Part ID	


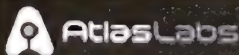
DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	16.01	+0.01	Pass
B	3.12	-0.02	Pass
C	17.07	+0.07	Pass
D	11.46	+0.06	Pass
E	10.55	+0.06	Pass
F	3.04	+0.05	Pass
G	8.00	0.0	Pass
H	2.32 Pass	Pass +0.02	Pass Pass
I	2.82	+0.02	Pass
-			
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Comments:

De-burred <i>Pass</i>		Tapped <i>Pass</i>		Surface Finish <i>Pass</i>	
Drilled <i>Pass</i>		Countersunk/bored <i>N/A</i>		Mass 5.29 g	<i>5g Pass</i>
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale 2:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	<i>Vishanck H</i>	<i>3/23/2023</i>		
Tolerance +/-0.1	Material ALUMINIUM	Machine ID		Sheet 2/2	
Part Name 7_4_2_Linkage_Rev-6				Part ID	



E3

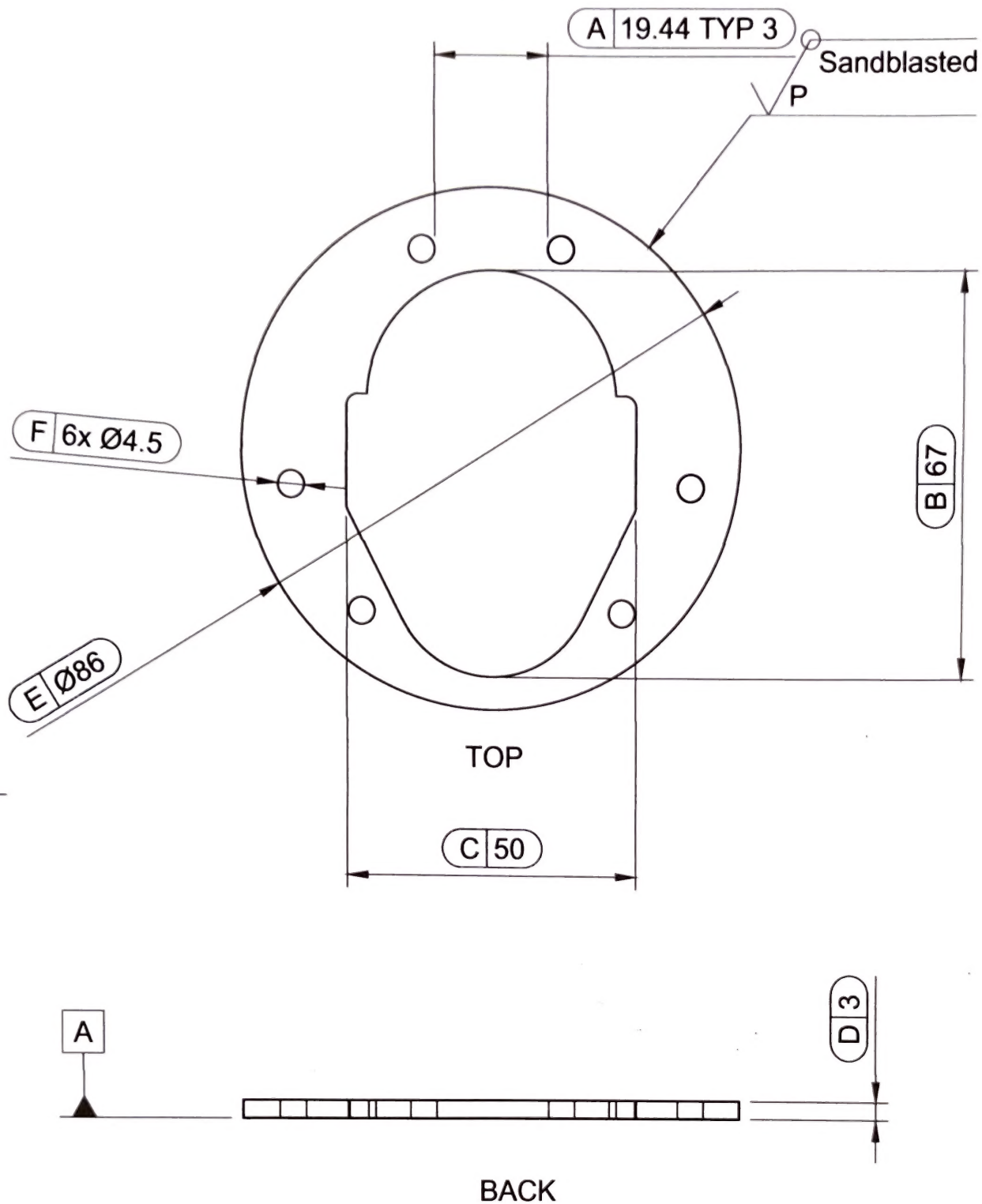



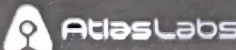
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	6/30/2022	Scale 1:2
	Checked by	Kasun Y	7/29/2022	
	Validated by	Ahil A	22/3/2023	
Tolerance +/- 0.1	Material Stainless Steel	Machine ID	Sheet 1/2	
	Part Name 7_2_4_Wireprotection			Part ID

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	67.00	-0.00	PASS
B <i>AL</i>	41.53	+0.13	PASS
C	25.43	-0.07	PASS
D	194.45	-0.05	PASS
E	45.40	-0.10	PASS
F	26.26	+0.26	PASS
G	84.11	+0.01 <i>AL</i>	PASS
H	8.89	+0.10	PASS
I	12.45	+0.06	PASS
J	4.10	+0.10	PASS
K	82.02	+0.07	PASS
L	M2x0.4	—	PASS
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Comments: "Dimension ^{AL} F deviation out of tolerance not critical."


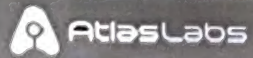
De-burred <i>PASS</i>		Tapped <i>PASS</i>		Surface Finish <i>PASS</i>	
Drilled <i>PASS</i>		Countersunk/bored <i>N/A</i>		Mass 60.147 g	<i>52g</i>
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	6/30/2022	Scale 1:2	
	Checked by	Kasun Y	7/29/2022		
	Validated by	<i>Ahli A</i>	<i>22/3/2023</i>		
Tolerance +/- 0.1	Material Stainless Steel	Machine ID		Sheet 2/2	
				Part Name 7_2_4_Wireprotection	
				Part ID	



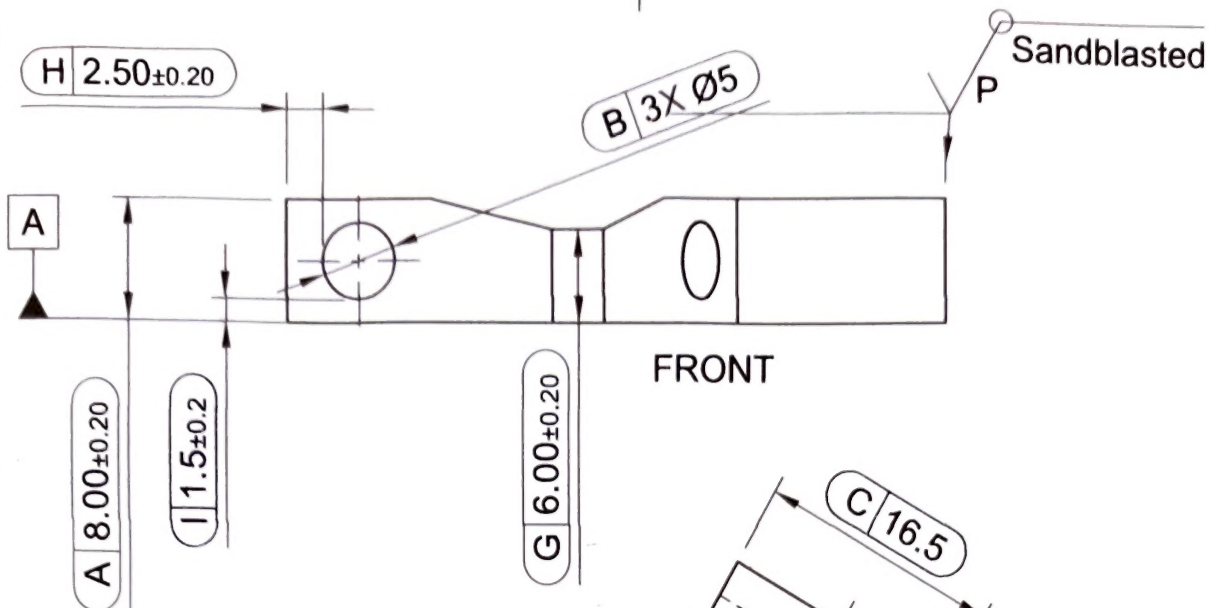
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	7/1/2022	<div>Scale 1:1</div> <div></div>
	Checked by	Kasun Y	7/29/2022	
	Validated by	Hiruna P	03/20/2023	
Tolerance +/- 0.1	Material Aluminium	Machine ID	Sheet 1/2	
	Part Name 7_8_1_ClawMountPlateV2_3mm			Part ID

[illegible]

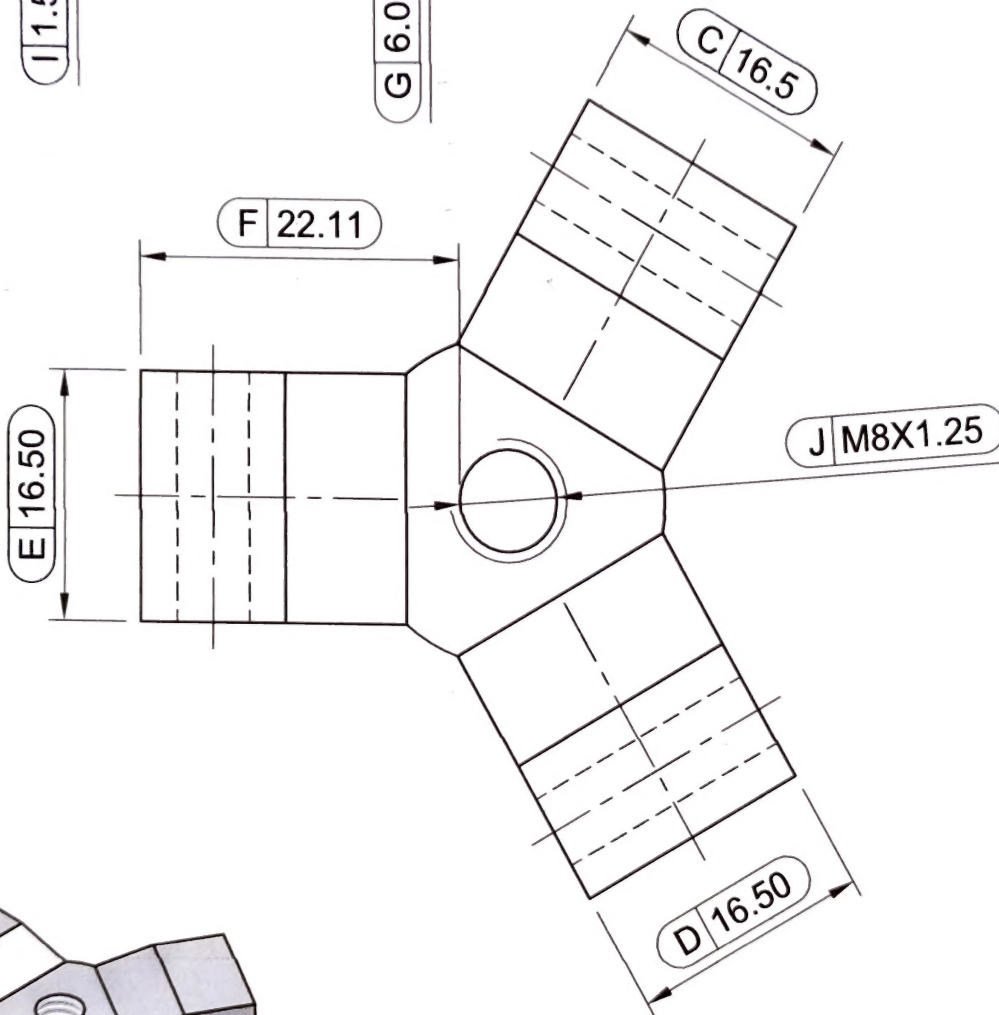
Comments:

De-burred	Pass	Tapped	N/A	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	N/A	Mass	25.461 g
					25g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	7/1/2022	Scale	1:1
	Checked by	Kasun Y	7/29/2022		
	Validated by	Aruna P	03/20/2023		
Tolerance +/- 0.1	Material Aluminium	Machine ID	Sheet	2/2	
	Part Name 7_8_1_ClawMountPlateV2_3mm			Part ID	

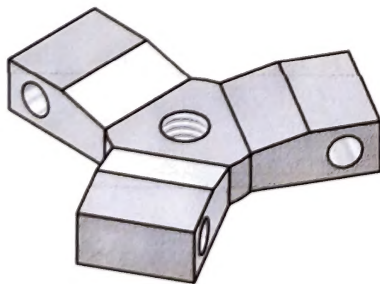




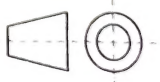

FRONT



TOP

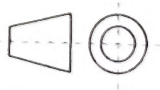



REFERENCE VIEW

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale 1:1
	Checked by	Kavindha R		
	Validated by	Kavindra	2/21/2023	
Tolerance +/-0.1	Material ALUMINIUM	Machine ID	Sheet 1/2	
	Part Name 7_4_4_3 Arm Runner			Part ID

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	8.02	+ 0.02	Pass
B	4.98	- 0.02	Pass.
C	16.48	- 0.02	Pass
D	16.48	- 0.02	Pass
E	16.46	- 0.04	Pass
F	22.18	+ 0.07	Pass
G	5.97	- 0.03	Pass.
H	2.58	+ 0.08	Pass
I	1.60	+ 0.10	Pass
J	M8x1.25	-	Pass
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Comments:

De-burred		Tapped		Surface Finish	
Pass		Pass		Pass	
Drilled		Countersunk/bored		Mass	
Pass		N/A		19.265 g	
19g					
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale 1:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Kavindra	2/21/2023		
Tolerance +/-0.1	Material ALUMINIUM	Machine ID		Sheet 2/2	
				Part Name 7_4_4_3 Arm Runner	
				Part ID	